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BULLETIN No. 94-17

LAND AND WATER USE IN FEATHER RIVER HYDROGRAPHIC UNIT

SEPTEMBER 1967

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LAND AND WATER USE BULLETINS

Bulletin No. 94 Series

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94-3	Yuba-Bear Rivers	1957-58
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94-5	Shasta-Scott Valleys	1958
94-6	Klamath River	1958
94-7	Mad River-Redwood Creek	1958
94-8	Eel River	1958-59
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94-10	Mendocino Coast	1959
94-11	Russian River	1959
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122	Ventura County and Upper Santa Clara River Drainage Area	1961
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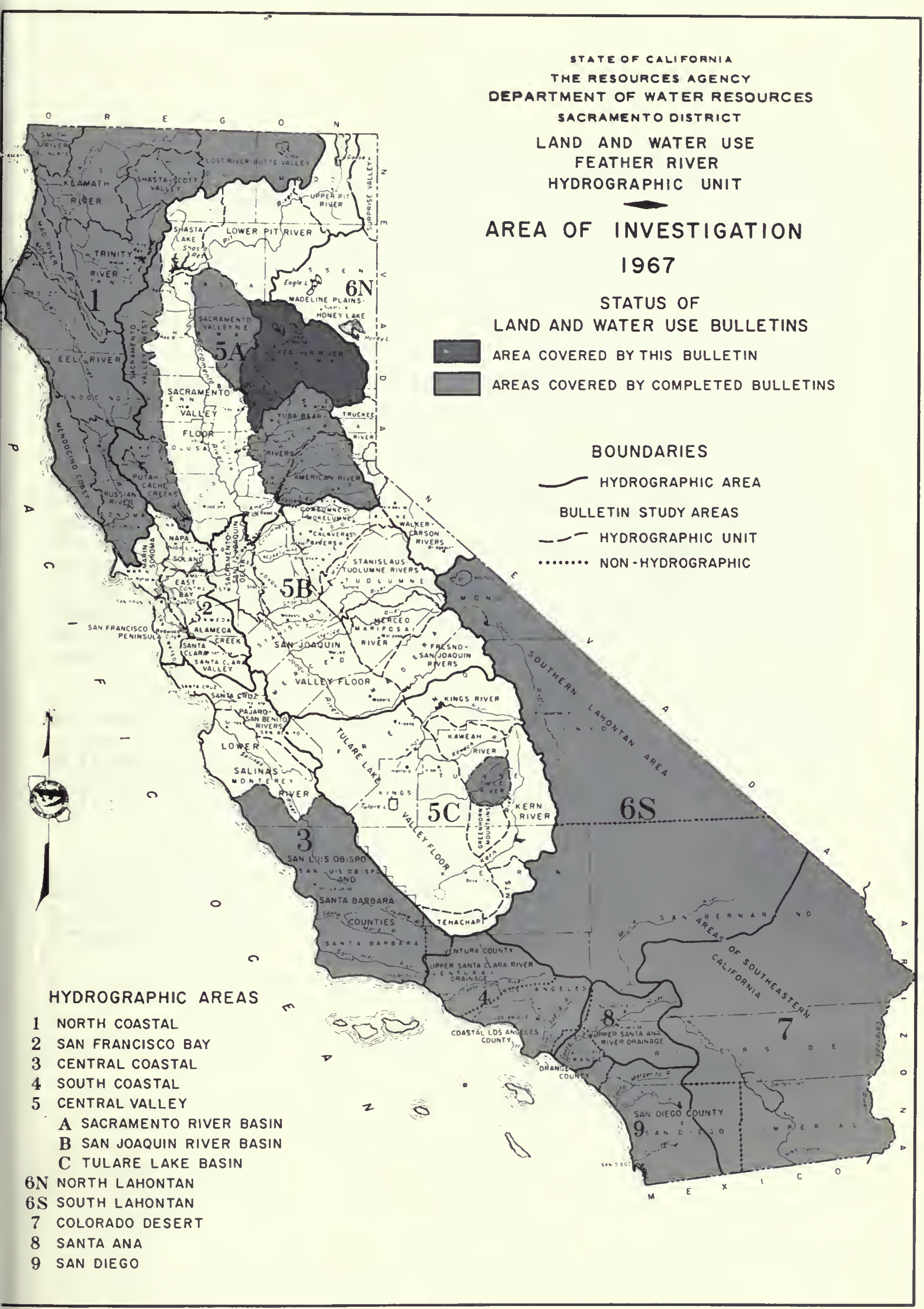

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SACRAMENTO DISTRICT

LAND AND WATER USE
FEATHER RIVER
HYDROGRAPHIC UNIT

AREA OF INVESTIGATION
1967

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- 7 COLORADO DESERT
- 8 SANTA ANA
- 9 SAN DIEGO

ACKNOWLEDGMENT

The Department of Water Resources gratefully acknowledges the information and assistance provided by the water users in the Feather River Hydrographic Unit and by agencies of the federal, state, and local governments. This report could not have been made without their assistance and participation.

FOREWORD

Because of the rapid urban and agricultural expansion in areas of limited water resources and the seasonal and long-term fluctuations in streamflow, California is faced with a growing need for projects which store large quantities of water and which transport this water over long distances to areas of deficiency. To plan the projects necessary to satisfy this need, the future water requirements of all areas of the State must be predicted as accurately as possible.

The State Water Resources Board published estimates of the future water needs of the State in Bulletin No. 2, "Water Utilization and Requirements of California", June 1955. Those estimates, however, are now obsolete and not sufficiently detailed for the current planning program.

The 1956 Legislature authorized an investigation to determine the water resources and water requirements of the watersheds within the State. Data for this bulletin was gathered in compliance with Chapter 61, statutes of 1956, as amended by Chapter 2025, Statutes of 1959, and codified in Section 232 of the Water Code of the State of California. Among other items, the Department of Water Resources was directed to report upon: (1) the present use of water in each watershed, (2) the quantities of water originating within each watershed and the water needed for future development of those watersheds, and (3) the water available for export from watersheds of origin and the areas which can be served thereby.

This bulletin presents information on the present use of land and water in the Feather River Hydrographic Unit and the classification of land as to its potential for agricultural and recreational development. It is one of a series of bulletins which present information for watersheds in northern California. Land and water use information for southern California has been reported in other Department bulletins.

The information presented in this report provides the basis for projecting future water demands. These projections, made on a uniform basis for the entire State, are essential to selecting and scheduling the facilities necessary to satisfy all of California's water needs for the foreseeable future.

William R. Gianelli

William R. Gianelli, Director
Department of Water Resources
State of California
June 28, 1967

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are coordinated under the direction of the
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ABSTRACT

The Feather River Hydrographic Unit covers 3,760 square miles and contains large portions of Butte, Plumas, and Sierra Counties and small portions of Lassen, Shasta, and Yuba Counties. The area lies east of the floor of the Sacramento Valley and comprises the watershed of the Feather River above the valley floor. The topography of the unit is mostly rough, with long, deep, southwesterly sloping canyons which drain the western slopes of the Sierra Nevada and Cascade Ranges. Elevations range from about 180 feet near Oroville to about 10,400 feet near the top of Lassen Peak. / Surveys were made of the present use of land and water in the hydrographic unit. The water use survey disclosed 614 systems for diverting surface water--491 for irrigation, 20 for electric power generation, and 103 for other uses. The land use survey indicated that of the 2,406,600 acres in the unit, 76,500 acres were irrigated, 13,100 were natural meadowlands, 17,700 dry-farmed, and 8,900 in urban use. / The land class survey indicated that approximately 230,300 acres are suitable for irrigation. About 65,800 acres are highly suitable for recreational use which would require some degree of water service. / Court decrees have established various rights to the use of water from Indian Creek and Middle Fork Feather River. Five major agencies divert water from streams within the unit for irrigation, power, and domestic purposes. They are Last Chance Creek Water District, Oroville-Wyandotte Irrigation District, Pacific Gas and Electric Company, Table Mountain Irrigation District, and Thermalito Irrigation District.

CHAPTER I. INTRODUCTION

This bulletin presents information on land and water use in the Feather River Hydrographic Unit. This information includes results of a 1963 survey of land and water use, the classification of lands with regard to their potential for agricultural and recreational development, information on present surface water diversion systems, and the apparent water right pertinent to each diversion. A general description of the area is also included.

The Feather River Hydrographic Unit, as shown on the map on page iii, is situated within the Sacramento River Basin. The hydrographic unit comprises that part of the Feather River Basin above the Sacramento Valley Floor. The unit covers an area of 3,760 square miles and contains large portions of Butte, Plumas, and Sierra Counties and small portions of Lassen, Shasta, and Yuba Counties.

The Feather River Basin generally slopes southwesterly from the crest of the Sierra Nevada and southeasterly from Mt. Lassen in the Cascade Range to the floor of the Sacramento Valley. The upper part of the basin is crossed by three roughly parallel ridges generally running in a northwest-southeast direction. These ridges create a series of high mountain valleys which contain streams of moderate slope. The largest of these flat, high expanses are Sierra, American, Indian, and Mohawk Valleys. As the gradients of the tributaries increase and they join, the main watercourses are formed. These, the North, Middle and South Forks of the Feather River, flow generally southwesterly through deep, rugged canyons to the Sacramento Valley Floor. The North Fork is the largest tributary, draining 2,090 square miles. The South Fork is the smallest. The three tributaries join just a few miles above the Sacramento Valley floor immediately upstream from Oroville Dam. Elevations within the unit vary from over 10,400 feet at Mt. Lassen to about 5,500 feet along the crest of the lower mountains and to about 180 feet near the city of Oroville. The high mountain valleys lie at elevations between 4,000 feet and 5,500 feet.

The western slope of the northern Sierra Nevada is a region where marked variations in precipitation occur within short distances. Mean annual precipitation in the unit increases from about 27 inches at Oroville to over 80 inches in the vicinity of the Butte-Plumas county line. Eastward from this line, the amounts gradually decrease to about 20 inches in the Diamond Mountains south of Susanville, and to less than 14 inches in parts of Sierra Valley.

The Feather River Basin is bounded on the northwest and north by volcanic ridges and mountains, including Mt. Lassen, which constitute the southern part of the Cascade Range geomorphic province. On the northeast and east, the basin is bounded by prominent, east-facing fault scarps, which roughly correspond to the northern and eastern boundaries of the Sierra Nevada geomorphic province. On the south, the basin boundary follows a series of low ridges between the Yuba and Feather Rivers, which are part of the Sierra Nevada western slope. The broad, flat Sacramento Valley lies to the west.

The Sierra Nevada is a complex mountain range composed of metamorphic and igneous rocks. Faulting, tilting and uplift of the Sierra

Nevada formed the extremely steep eastern escarpment and resulted in the carving of deep canyons by youthful streams on the otherwise gentle western slope. In the Upper Feather River Basin the Sierra Nevada has been modified by additional faulting which has produced several prominent scarps and has influenced the formation of all major valleys in the basin. Since then, lake sediments and alluvial stream deposits have accumulated almost continuously in most of the valleys.

Soils in the Feather River Hydrographic Unit vary markedly in composition and depth and in other physical and chemical properties. In general, the soils can be divided into the following five broad groups: (1) residual soils, (2) old valley fill soils, (3) recent alluvial soils, (4) lacustrine soils, and (5) organic soils.

The residual soils occur on hilly and mountainous lands throughout the area. These soils have been formed in place through the action of weathering upon the underlying material and vary in profile characteristics according to the effect of differences in climatic factors and parent materials. Depths vary from very shallow soils with considerable rock present on the surface to very deep soils with little or no evidence of rock. Under favorable conditions these soils are capable of supporting crops.

Soils derived from old valley deposits and remnants of former alluvial fans are found mostly along the western side of the basin adjacent to the Sacramento Valley Floor and to a limited extent in the upper basin. Soil-forming processes have brought changes in profile characteristics during the period following deposition of the unconsolidated materials. Leaching has resulted in formations of dense clay pans and, in some cases, cemented hardpans. Soils derived from old valley fills are generally suitable only for shallow-rooted crops.

Recent alluvial soils occur in the floodplains and smaller meadows along the streams, and throughout the major portion of American Valley, Indian Valley, and the other larger mountain meadows, excluding Sierra Valley. These soils, in general, have undergone little or no change in their profile characteristics since deposition. Where properly drained, these soils have wide crop adaptabilities and are highly valued as agricultural lands.

Soils derived from lacustrine depositions occupy the greater part of Sierra Valley. As is common with the deposition of sediments into a fresh-water lake, coarser materials are found at the margins of the valley and finer materials are found in the central portions of the valley. Thus, a wide textural range has been developed with a predominance of fine- or medium-textured soils. In general, these soils are suitable for medium- and shallow-rooted crops.

Within Indian Valley there are small areas of soils that have been derived largely from the deposition of organic materials. They are normally deep, medium- to fine-textured, and suited to a wide variety of crops.

While gold was the original lure that brought immigrants into the Upper Feather River Basin, it was the vast timber stands, mountain meadows, hydroelectric power potential, and a transcontinental railroad that were primarily responsible for the present pattern of development. For many years mining held an important place in the economy of the region. However, in recent years economic conditions have forced mining into the background.

The timber industry has grown from a few sawmills in the 1850's to become the major industry in the Feather River Basin. The timber resources in the watershed exceed 21 billion board feet, approximately 70 percent of which are in public ownership. Firs and pines account for nearly all the timber production.

Early settlers in the mountain regions were attracted by the favorable conditions for livestock raising. Grasses grew abundantly during the spring, and streams were easily diverted onto the flat valley lands to irrigate hay and summer pasture crops. Nearly all the present agricultural activity in the basin centers around livestock raising in the high mountain valleys and still is primarily dependent upon the vagaries of natural streamflow. Sierra Valley contains over half of the 76,000 irrigated acres in the basin and over 90 percent of the dry-farmed lands in the basin. The predominant crop in the high mountain valleys is pasture.

Hydroelectric power development in the Feather River Basin has occurred during two distinct periods -- the first during the early 1900's and the second following World War II. At the present time, the system on the North Fork Feather River, now owned and operated by the Pacific Gas and Electric Company, has a proposed power capacity of over 700,000 kilowatts. On the South Fork, the Oroville-Wyandotte Irrigation District is operating a system with a generating capacity of over 90,000 kilowatts. On the main Feather River, the Oroville-Thermalito Complex of the State Water Project will have an installed generating capacity of about 760,000 kilowatts.

The timbered mountains and the lakes and streams of the primitive portions of the Upper Feather River offer unusual recreational opportunities. Year-round tourist accommodations are provided, but many parts of the basin can be reached only during the summer. Recreation and travel by vacationists and tourists contribute an appreciable portion of the income to the basin.

Oroville, situated just outside the downstream edge of the hydrographic unit, is the principal city for the area. In 1965 about 7,060 people resided within the incorporated city limits of Oroville, and there are over 24,000 people living in the greater Oroville area. Other towns of significant size in the basin are Quincy (the county seat of Plumas County), Chester, Greenville, Portola, Feather Falls, and Westwood.

For this report, the hydrographic unit has been divided into 12 subunits, which are shown on the map on page 115 titled "Index to Figures and Subunits". Areas of these subunits are given in Table 1.

TABLE 1

AREAS OF SUBUNITS IN
FEATHER RIVER HYDROGRAPHIC UNIT
(in acres)

Subunit	Butte County	Lassen County	Plumas County	Shasta County	Sierra County	Yuba County	Total Area acres	Total Area square miles
Almanor	0	113,541	185,722	13,019	0	0	312,282	488
American Valley	0	0	117,828	0	0	0	117,828	184
Canyon	127,818	0	91,343	0	0	0	219,161	342
Cascade	60,155	0	172,259	0	0	0	232,414	363
Dixie	0	1,511	206,378	0	0	0	207,889	325
Grizzly Valley	0	0	172,372	0	16,010	0	188,382	294
Honcut Creek	66,134	0	0	0	0	22,692	88,826	139
Indian Valley	0	1,755	262,665	0	0	0	264,420	413
Red Hill	456	0	228,107	0	0	0	228,563	357
Sierra Valley	0	1,705	178,811	0	155,259	0	335,775	525
South Fork	61,756	0	38,824	0	0	1,879	102,459	160
West Branch	107,960	0	657	0	0	0	108,617	170
TOTAL	424,279	118,512	1,654,966	13,019	171,269	24,571	2,406,616	3,760

CHAPTER II. WATER USE

Present water requirements in the Feather River Hydrographic Unit are met almost entirely by diversion of surface runoff. The water use survey, which was made in 1963, provides information concerning (1) the location, owner, source, and date of appropriation or first use of the surface water diversions; (2) the description of the diversion structures and systems; (3) the purpose, extent, and method of use of diverted water; and (4) the apparent water right under which each diversion was made. This data is shown in Table 2, beginning on page 13.

The extent of the land use associated with each diversion was delineated concurrently with the identification of the irrigation diversions. The extent of the land use was determined as described in Appendix A.

The locations of water wells and the measurement of their yields were not covered in this investigation. However, areas irrigated by ground water as well as surface water were included in the land use survey which is described in Chapter III.

Water rights are an important consideration in determining the availability of waters which are surplus to the present and future needs of an area. Water rights in the Feather River Hydrographic Unit may be appropriative or riparian and may have been defined by adjudication. Some water use in the hydrographic unit is based on appropriative rights established prior to 1914. A brief explanation of water rights is included in Appendix A of this report. Table 3 lists the applications for the use of water in the unit on file with the State Water Rights Board as of April 17, 1966. This table begins on page 80.

Litigation Concerning Water Rights

Water rights have been adjudicated by court decrees on the Middle Fork Feather River in Sierra Valley and on Indian Creek in Indian Valley. Land irrigated under rights established by the Middle Fork decree totals about 39,000 acres in Sierra Valley. About 14,000 acres are irrigated in Indian Valley under rights established by the Indian Creek decree. Both valleys have been formed into watermaster service areas, and water is distributed during each irrigation season by a state watermaster in accordance with the provisions of these decrees. The following information concerning the adjudications supplements water rights data presented in Tables 2 and 3 and Appendix A.

Middle Fork Feather River Adjudication

On March 5, 1936, a petition was filed with the Division of Water Resources for a determination of the rights to the use of the waters of the Middle Fork Feather River and its tributaries above Beckwourth. The petition was granted and an examination of the Middle Fork Feather River stream system began on April 15, 1937. Information essential to a proper determination of water rights was presented to the various claimants. After this information was discussed, an agreement was reached for a trial distribution of water during the 1937 irrigation season. A modified plan for the distribution of water was continued through the 1938 season.

On August 2, 1939, the Division of Water Resources entered its order of determination establishing the rights to the use of the waters of the Middle Fork Feather River and its tributaries above Beckwourth. A hearing was held in the Superior Court of Plumas County and Decree No. 3095 was entered on January 19, 1940.

By this decree, water rights of the Middle Fork Feather River stream system are divided into six groups: Last Chance Creek Group, Smithneck Creek Group, West Side Canal Group, Fletcher Creek Group, Little Truckee River Group, and Middle Fork of Feather River Group. The rights within these groups are classified as "special", "interrelated", and "surplus". The "special" class rights are superior to the "interrelated" and "surplus" class rights, and the "interrelated" class rights are superior to the "surplus" class rights. As many as six priorities are assigned within the "interrelated" class.

The Little Truckee River Group comprises rights of the various shareholders in the Sierra Valley Water Company for rediversion of water imported from the Little Truckee River. This imported water, not to exceed 60.0 cubic feet per second, is diverted and used by the shareholders in proportion to the number of shares held by each member.

Indian Creek Adjudication

A petition for determining the rights to use the waters of Indian Creek and its tributaries was filed August 22, 1944, with the Division of Water Resources. After notice of the order granting the petition, a field examination of the Indian Creek stream system began on March 1, 1945, and extended through the irrigation season of 1945. The waters of Indian Creek were operated under a plan of trial distribution from 1946 through 1949.

On January 19, 1950, the Division of Water Resources made its order determining and establishing the several rights to the waters of the Indian Creek stream system. A hearing was held in the Superior Court of Plumas County, and Decree No. 4185 was entered on December 19, 1950.

By this decree, the rights to the waters of the Indian Creek stream system are divided into four groups: Wolf Creek Group, Lights Creek Group, Upper Tributary Group, and Indian Creek in Genesee and Indian Valleys Group. The rights within these groups are further divided into classes of "special", "interrelated", and "surplus". The "special" class rights are superior to the "interrelated" and "surplus" class rights, and the "interrelated" class rights are superior to the "surplus" class rights. As many as three priorities are assigned within the "interrelated" class.

Water Agencies

There are five major water agencies that divert water from streams in the Feather River Hydrographic Unit for irrigation and domestic use. They are Last Chance Creek Water District, Oroville-Wyandotte Irrigation District, Pacific Gas and Electric Company, Table Mountain Irrigation District, and Thermalito Irrigation District. The latter three agencies develop power while conveying the flows, but the major portion of their service is in the Sacramento Valley Floor area outside the hydrographic unit.

Imports and Exports

Water is both imported to and exported from the hydrographic unit. The imports and exports, however, are small in relation to the total water use within the basin.

Imports

Surface water is imported into the Feather River Basin from adjacent watersheds at five points. Water for irrigation in Sierra Valley is imported from the Truckee River Watershed through the Little Truckee-Sierra Valley Ditch. Water is imported from Dry Creek in the Yuba-Bear Rivers Hydrographic Unit through the Carmichael Ditch below Lake Mildred for irrigation in the Feather River and Sacramento Valley Floor Hydrographic Units. Diversions are also made from the North Yuba River through the Browns Valley Ditch for use in the Browns Valley Irrigation District, which serves areas in the Feather River, Yuba-Bear Rivers and Sacramento Valley Hydrographic Units. Water is also imported from Slate Creek, a tributary to the North Yuba River, through the Slate Creek Diversion Tunnel to Sly Creek Reservoir in the Feather River Unit. Water is imported through a distribution pipeline serving the eastern part of Paradise from Magalia Reservoir in the Butte Creek Watershed.

Exports

Six diversions are used in the Feather River Hydrographic Unit to export water from the area to the surrounding units. Along the eastern boundary of the unit, a ditch diverts from Doyle Reservoir to the Honey Lake area near Milford. Along the southern edge of the unit, Bean Ditch diverts from Sly Creek to serve the Eagleville-Strawberry Valley area in the Yuba-Bear Rivers Watershed. Water is also infrequently diverted from the Oroville-Wyandotte Canal to a lumber mill at Woodleaf in the Yuba-Bear Rivers Hydrographic Unit. On the west side, the Upper Miocene Canal diverts water from the West Branch Feather River area for use in the Table Mountain-Oroville area of the Sacramento Valley Floor. There are two diversions from the West Branch Feather River to the Butte Creek Watershed. The first is a privately owned diversion (Hal Dawson) for irrigation of a small acreage of land, and the second is the Hendricks Canal, which supplements the De Sabla power system of Pacific Gas and Electric Company.

TABLE 2

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
					ALMANOR SUBUNIT					
MDB&M										
D27N/08E-28C1	Lake Almanor Pac Gas & Elec Co	Feather R NF	Power Irrig	40,000 KW* *	B	--	--	1913	Storage & gravity, earth dam 130 feet high, 1,250 feet long with 2.1 miles of 13-foot tunnel & 5,568 feet of 12-foot penstock. Storage capacity, 1,308,000 AF.	Amount diverted is for power development downstream in Pac Gas & Elec Company's system and for irrigation in the Sacramento Valley Floor Area.
D27N/10E-06F1	Stroing O J	Mt Meadows Res UT	Irrig Stock	516 acres by flooding 40 head*	Riparian	--	--	1900	Gravity, small earth dam with 0.2 mile of earth ditch.	Former owner, Stark Bros. Acreage reported was irrigated jointly with D27N/10E-6G1 & D27N/10E-6M1.
D27N/10E-06G1	Stroing O J	Mt Meadows Res UT	Irrig Stock	* *	Riparian	--	--	1900	Gravity, small earth dam with 0.2 mile of earth ditch.	Former owner, Stark Bros. Amount diverted irrigated jointly with D27N/10E-6F1 & D27N/10E-6M1.
D27N/10E-06M1	Stroing O J	Mt Meadows Res UT	Irrig Stock	* *	Riparian	--	--	1900	Gravity, small earth dam with 0.3 mile of earth ditch.	Former owner, Stark Bros. Amount diverted irrigated jointly with D27N/10E-6F1 & D27N/10E-6G1.
D28N/06E-12B1	Collins Pine Co Stover C F Estate of	Feather R NF	Irrig Domestic Induct	1,096 acres by flooding 70 connections Lumber Mill	B	--	--	1870	Gravity, rock dam 2 feet high, [illegible] feet long with 2.1 miles of earth ditch.	Former owners, [illegible] Co, Thadeur Stover, Charles Stover.
D28N/07E-05P1	Owens Carroll	Feather R NF	Irrig Stock	203 acres by flooding* 100 head	B	--	--	1900	Pump, electric with short 12-inch steel pipe.	Former owners, Nelse Olsen, Earl McKenzie. Area irrigated received supplemental supply from D28N/07E-6J2.
D28N/07E-06J1	Martin Edith	Johnson Cr	Irrig	265 acres by flooding	B	--	--	1830	Gravity, small rock and log dam with short earth ditch.	Former owner, Arthur Martin.
D28N/07E-06J2	Herrington Earl	Johnson Cr	Irrig	532 acres by flooding*	B	--	--	1900	Gravity, small earth & rock dam with 0.5 mile of earth ditch.	Amount diverted also supplements D28N/07E-5P1.
D28N/07E-06K1	Martin & Olsen Ditch	Feather R NF	Domestic	30 connections	Approp	--	--	1880	Gravity, 0.3 mile of earth ditch.	Former owners, Martin, Olsen.
D28N/08E-11K1	Clear Creek Lassen Co Water Dist	Dry Cr Sp Trib	Munic Fire Prot	90 connections* --	B	--	--	1945	Pumps, two 4-inch electric to 5,000 gallon tank with 6-inch pipeline.	Amount diverted serves community of Westwood.
D28N/08E-11R1	Northern Counties Utility Co	Walker Sp	Munic	850 connections*	D	--	--	1927	Pumps, 4-inch & 6-inch electric with 200 feet of 10-inch & 9,000 feet of 14-inch steel pipe.	Former owners, Red River Lumber Co, Fruit Growers Association. Amount diverted serves community of Westwood.

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				ALMANOR SUBUNIT (Continued)						
MDB&M										
D28N/08E-13J1	Mt Meadows Res Pac Gas & Elec Co	Hamilton Br	Power	*	B	--	--	1924	Storage, timber dam 25 feet high & 264 feet long. Storage capacity, 24,010 AF.	Former owners, Red River Lumber Co, Fruit Growers Association. Amount diverted is for power development downstream in Pac Gas & Elec Company's system.
D28N/08E-14B1	Hamilton Br Flume Pac Gas & Elec Co	Hamilton Br	Power	4,800 KW	B	--	--	1921	Gravity, 1.3 miles of earth ditch, 2.0 miles of flume & 2,219 feet of 4- to 5-foot penstock.	Amount diverted is for power development downstream in Pac Gas & Elec Company's system.
D28N/08E-16B1	Lake Almanor Country Club Mut Wtr Co	Schumaker Sp	Domestic	--	B	--	--	1925	Gravity, concrete encased spring with 1.5 miles of 6-inch steel pipe.	Former owners, Red River Lumber Co, Russel Pelletire, Joe Rutledge, John Kelly.
D28N/08E-27L1	Salem Rose & Carl O	Almanor L UT	Irrig Fish Culture	27 acres by flooding* --	Riparian	--	--	1923	Gravity, small rock dam with 0.2 mile of earth ditch.	Area irrigated received supplemental supply from small springs.
D28N/09E-08Q1	Wershaw & Weisz	Robbers Cr	Indust	Mill Pond	B	--	--	1914	Storage & gravity, earth dam 12 feet high & 4,300 feet long. Storage capacity, 660 AF.	Former owners, Red River Lumber Co, Fruit Growers Association.
D28N/09E-10A1	Shasta Forests Co	Goodrich Cr	Irrig Stock	3,726 acres by flooding* 50 head	Riparian	--	--	1900	Gravity, small earth dam with 0.5 mile of earth ditch.	Former owners, Walkers, Croutch. Acreage reported irrigated jointly with D28N/10E-7N1, -19C1, -19Q1 & D29N/09E-35A1, -35J1, -35K1, -35Q1.
D28N/09E-27P1	Shasta Forests Co	Mt Meadows Res Sp Trib	Irrig	285 acres by flooding	B	--	--	1900	Gravity, various length small earth ditches.	
D28N/09E-29A1	Shasta Forests Co	Mt Meadows Res UT	Irrig	328 acres by flooding	B	--	--	1900	Gravity, small wood flashboard dam with short earth ditch.	
D28N/10E-07N1	Shasta Forests Co	Duffy Cr	Irrig Stock	* 25 head	Riparian	--	--	1900	Gravity, small earth dam with short earth ditch.	Former owners, Walkers, Croutch. Amount diverted irrigated jointly with D28N/09E-10A1, D28N/10E-19C1, -19Q1 & D29N/09E-35A1, -35J1, -35K1, -35Q1.
D28N/10E-19C1	Shasta Forests Co	Cottonwood Cr	Irrig Stock	* 75 head	Riparian	--	--	1900	Gravity, small earth dam with short earth ditch.	Former owners, Walkers, Croutch. Amount diverted irrigated jointly with D28N/09E-10A1, D28N/10E-7N1, -19Q1 & D29N/09E-35A1, -35J1, -35K1, -35Q1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				ALMANOR SUBUNIT (Continued)						
MDB&M										
D28N/10E-19Q1	Shasta Forests Co	Mt Meadows Cr	Irrig Stock	100 head *	Riparian	--	--	1900	Gravity, small earth dam with short earth ditch.	Former owners, Walkers, Croutch. Amount diverted irrigated jointly with D28N/09E-10A1, D28N/10E-7N1, -19C1 & D29N/09E-35A1, -35J1, -35K1, -35Q1.
D29N/05E-17H1	Lee May I	Rice Cr N Arm	Irrig	11 acres by flooding	Riparian	--	--	1947	Gravity, small earth dam with 1.5 miles of natural earth channel.	
D29N/05E-18H1	Lee May I	Rice Cr S Arm	Irrig	33 acres by flooding	Riparian	--	--	1947	Gravity, small earth dam with 1.0 mile of earth ditch.	
D29N/05E-23H1	Frost Barbara H	Feather R NF Sp UT	Irrig	206 acres by flooding	Riparian	--	--	1900	Gravity, small log dam with 1.0 mile of earth ditch.	Former owners, Isaac McKenzie, Hobart, Elmer Fulbright, May I Lee.
D29N/06E-09B1	Lee May I & Donald K Joe N Jr & Winifred H	Warner Cr	Irrig	27 acres by flooding	Riparian	--	--	1920	Gravity, small earth dam with 0.4 mile of earth ditch.	Former owner, Joe N Lee Sr.
D29N/06E-11G1	Hust William L	Benner Cr Sp Trib	Irrig Domestic Fire Prot	34 acres by flooding * *	Approp	--	--	1900	Gravity, 1.0 mile of earth ditch and 0.5 mile of 2.5-inch steel pipe.	Former owners, Winifred Lee, Charles L. Nurst. Amount diverted serves summer boy scout camp.
D29N/06E-20C1	Lee Winifred H	Mosquito Sp	Irrig	13 acres by flooding	Approp	0.5 cfs	A-17870	1957	Gravity, small earth dam with 0.3 mile of earth ditch.	
D29N/07E-28N1	Stover C F Estate of	Last Chance Cr	Irrig	104 acres by flooding	Riparian	--	--	1870	Gravity, pole & flashboard dam 3 feet high & 10 feet long with short earth ditch.	
D29N/07E-31G1	Peterson Wayne L	Benner Cr	Irrig	23 acres by flooding	B	--	--	1930	Gravity, sheet metal & timber dam 2 feet high & 20 feet long with 0.7 mile of earth ditch.	
D29N/09E-20H1	Shasta Forests Co	Goodrich Cr UT	Irrig Indust	259 acres by flooding* Log pond	B	--	--		Gravity, earth & rock dam 5 feet high & 90 feet long with 4.1 miles of 24- & 30-inch steel pipe.	Area irrigated receives supplemental supply from numerous small springs.
D29N/09E-21H1	McKenzie Abner	Goodrich Cr	Irrig Stock	570 acres by flooding* 800 head	Riparian	--	--	1900	Gravity, small earth dam with 2.5 miles of earth ditch.	Former owners, Abner N McKenzie, Bert McKenzie. Acreage reported irrigated jointly with D29N/09E-27A1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				ALMANOR SUBUNIT (Continued)						
MDB&M										
D29N/09E-24R1	McKenzie Abner	Goodrich Cr UT	Irrig Stock	96 acres by flooding* 25 head	Riparian	--	--	1900	Gravity, small earth dam with short earth ditch.	Former owners, Abner N McKenzie, Bert McKenzie. Acreage reported irrigated jointly with D29N/10E-30C1.
D29N/09E-25G1	McKenzie Abner	Goodrich Cr UT	Irrig Stock	98 acres by flooding 150 head	Riparian	--	--	1900	Gravity, small earth dam with short earth ditch.	Former owners, Abner N McKenzie, Bert McKenzie.
D29N/09E-27A1	McKenzie Abner	Goodrich Cr	Irrig	*	Riparian	--	--	1900	Gravity, small earth dam with short earth ditch.	Former owners, Abner N McKenzie, Bert McKenzie. Amount diverted irrigated jointly with D29N/09E-21H1.
D29N/09E-35A1	Shasta Forests Co	Goodrich Cr	Irrig Stock	* 150 head	Riparian	--	--	1900	Gravity, earth & wood dam 6 feet high 40 feet long with 2.4 miles of earth ditch.	Former owners, Walkers, Croutch. Amount diverted irrigated jointly with D28N/09E-10A1, D28N/10E-7M1, -19C1, -19Q1 & D29N/09E-35J1, -35K1, -35Q1.
D29N/09E-35J1	Shasta Forests Co	Goodrich Cr	Irrig Stock	* 100 head	Riparian	--	--	1900	Gravity, concrete dam 4 feet high 20 feet long with short earth ditch.	Former owners, Walkers, Croutch. Amount diverted irrigated jointly with D28N/09E-10A1, D28N/10E-7M1, -19C1, -19Q1 & D29N/09E-35A1, -35K1, -35Q1.
D29N/09E-35K1	Shasta Forests Co	Goodrich Cr	Irrig	*	Riparian	--	--	1900	Gravity, earth dam one-foot high 10 feet long with short earth ditch.	Former owners, Walkers, Croutch. Amount diverted irrigated jointly with D28N/09E-10A1, D28N/10E-7M1, -19C1, -19Q1 & D29N/09E-35A1, -35J1, -35Q1.
D29N/09E-35Q1	Shasta Forests Co	Goodrich Cr	Irrig	*	Riparian	--	--	1900	Gravity, earth dam 4 feet high 8 feet long with short earth ditch.	Former owners, Walkers, Croutch. Amount diverted irrigated jointly with D28N/09E-10A1, D28N/10E-7M1, -19C1, -19Q1.
D29N/10E-30C1	McKenzie Abner	Goodrich Cr UT	Irrig Stock	* 75 head	Riparian	--	--	1900	Gravity, small earth dam with short earth ditch.	Former owners, Abner N McKenzie, Bert McKenzie. Amount diverted irrigated jointly with D29N/09E-24R1.
D30N/06E-19P1	Lee May I & Donald K Joe N Jr	Kings Cr	Irrig	11 acres by flooding	Approp		A-4122	1910	Gravity, small earth dam with 0.3 mile of earth ditch.	Former owner, Joe N Lee Sr.
D30N/06E-19R1	Lee May I & Donald K Joe N Jr	Cold Sp	Domestic	11 connections	Approp		A-4121	1910	Gravity, 0.1 mile of earth ditch to wood box and 0.3 mile of 2-inch pipe.	Former owner, Joe N Lee Sr.
D30N/06E-29C1	Lee May I & Donald K Joe N Jr	Juniper Cr	Domestic	8 connections	Approp		A-517_	1910	Gravity, small earth dam with short earth ditch to wood box and 0.2 mile of 2-inch pipe.	Former owner, Joe N Lee Sr.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				ALMANOR SUBUNIT (Continued)						
MDB&M										
030N/06E-32A1	Lee May I & Donald K Joe N Jr	Warner Cr Sp Trib	Irrig	58 acres by flooding	Riparian	--	--	1910	Gravity, series of short earth ditches.	Former owner, Joe N Lee Sr.
				AMERICAN VALLEY SUBUNIT						
D24N/07E-01R1	Meadow Valley Lumber Co	Silver L	Storage	*	B	--	--	1906	Storage & gravity, earth & rock dam 21 feet high 620 feet long with natural stream channel. Storage capacity, 650 AF.	Former owners, Spanish Peak Lumber Co, Plumas Mining & Power Co. Amount diverted supplemented D24N/08E-16Q1. Area received supplemental supply from D24N/08E-18E1.
D24N/08E-09M1	Weeks Estate	Silver Cr	Irrig	5 acres by flooding	B	--	--	1930	Gravity, unknown length of 6-inch steel pipe.	Former owner, Huntington.
D24N/08E-11R1	Meadow Valley Lumber Co	Pineleaf Cr	Indust Fire Prot	Lumber Mill* --	B	--	--	1914	Gravity, small earth dam.	Former owner, Spanish Peak Lumber Co. Area received supplemental supply from D24N/08E-16Q1.
D24N/08E-15A1	Meadow Valley Lumber Co	Spanish Cr	Irrig	69 acres by flooding*	B	--	--	1906	Gravity, small gravel dam with 0.8 mile of earth ditch.	Former owners, Plumas Mining & Power Co, Spanish Peak Lumber Co. Area irrigated received supplemental supply from D24N/08E-16Q1.
D24N/08E-15A2	Wilson Dick	Massey Cr	Irrig	8 acres by flooding	Approp	--	--	1890	Gravity, wooden weir box with 0.1 mile of earth ditch.	Former owners, Yeager, Andreason, G McKee.
D24N/08E-15E1	Meadow Valley Lumber Co	Spanish Cr	Irrig	34 acres by flooding	B	--	--	1906	Gravity, small gravel dam with 0.4 mile of earth ditch.	Former owners, Plumas Mining & Power Co, Spanish Peak Lumber Co. Area irrigated received supplemental supply from D24N/08E-16Q1.
D24N/08E-16Q1	Meadow Valley Lumber Co	Silver Cr	Domestic Indust	100 connections Lumber Mill	B	--	--	1914	Gravity, small rock dam with 0.3 mile of earth ditch, 200 feet of 22-inch pipe & 14,000 feet of 10-inch pipe.	Former owners, Plumas Mining & Power Co, Spanish Peak Lumber Co. Amount diverted also supplemental D24N/08E-11R1, -15A1, -15E1.
D24N/08E-16R1	Durney Mrs R E	Silver Cr	Irrig Stock	24 acres by flooding 25 head	Approp	--	--	1900	Gravity, small earth dam with 1.2 miles of earth ditch.	Former owner, Marr.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

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			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				AMERICAN VALLEY SUBUNIT (Continued)						
MDB&M										
D24N/08E-18E1	Meadow Valley Lumber Co	Gold L	Storage	*	B	--	--	1906	Storage and gravity, rock dam 9 feet high and 90 feet long with 0.8 mile of earth ditch. Storage capacity, unknown.	Former owners, Plumas Mining & Power Co, Spanish Peak Lumber Co. Amount diverted supplemented D24N/07E-1R1.
D24N/08E-21J1	Spurrier Howard A	Clear Cr	Irrig Domestic	1 acre by sprinkler 2 connections	Approp	0.05 cfs	A-10349	1939	Gravity, rock and concrete dam with 1,000 feet of earth ditch & 200 feet of 1-inch pipe.	Former owner, Dr Herman Fordyce.
D24N/08E-22P1	Meadow Valley Wtr Wks	Meadow Valley Cr	Irrig Domestic Stock Fish Culture	170 acres by flooding 18 connections 250 head --	Approp	4,000 MI	--	1854	Gravity, concrete dam 5 feet high 30 feet long with 0.4 mile of earth ditch.	Former owner, Andy Jacks.
D24N/08E-23L1	Stratton Trevor Stratton Ima	Meadow Valley Cr	Irrig	108 acres by flooding*	Approp	--	--	1880	Gravity, small gravel dam with 0.1 mile of earth ditch.	Former owners, Hughes, Noyes. Acreage reported irrigated jointly with D24N/08E-23N1.
D24N/08E-23N1	Stratton Trevor Stratton Ima	Schneider Cr Big	Irrig	*	Approp	--	--	1880	Gravity, small gravel dam with 0.2 mile of earth ditch.	Former owners, Hughes, Noyes. Amount diverted irrigated jointly with D24N/08E-23L1.
D24N/08E-24M1	Stratton Trevor Stratton Ima	Schneider Cr Little	Irrig	11 acres by flooding	Riparian	--	--	1962	Gravity, wooden weir box with 0.1 mile of earth ditch.	
D24N/08E-29B1	Mathis Newton Starr Louis	Clear Cr Sp Trib	Irrig Domestic	3 acres by flooding --	Approp	--	--	1852	Gravity, 0.4 mile of earth ditch.	Former owner, Walter Robinson.
D24N/08E-29B2	Starr Louis	Clear Cr	Irrig Fish Culture	2 acres by flooding* --	Approp	--	--	1852	Gravity, small earth dam with short 6-inch pipe & 0.2 mile of earth ditch.	Former owner, Walter Robinson. Acreage reported irrigated jointly with D24N/08E-29C1.
D24N/08E-29C1	Starr Louis	Clear Cr	Irrig Fish Culture	* --	Approp	--	--	1852	Gravity, concrete dam 4 feet high 15 feet long with 0.4 mile of earth ditch.	Former owner, Walter Robinson. Amount diverted irrigated jointly with D24N/08E-29B2.
D24N/09E-06G1	US Plumas Nat Forest	Snake L	Recr	--	Approp	100 AF	A-16813	1860	Storage & gravity, earth, rock & concrete dam 10 feet high 200 feet long. Storage capacity, unknown.	

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TABLE 2 (continued)

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AMERICAN VALLEY SUBUNIT (Continued)										
MDB&M										
D24N/09E-10Q1	Leonhardt Ernest G & Barbara Roberti Elmer & Josephine	Spanish Cr UT	Irrig	14 acres by flooding	Riparian	--	--	1900	Gravity, natural spreading.	
D24N/09E-12A1	Bresciani A P	Mill Cr	Irrig	169 acres by flooding*	Riparian	--	--	1900	Gravity, small earth dam with natural spreading.	Former owners, H T White, B Bresciani. Acreage reported irrigated jointly with D24N/09E-12B1, -12K1.
D24N/09E-12B1	Bresciani A P	Spanish Cr	Irrig Stock	* 30 head	Riparian	--	--	1900	Gravity, natural spreading.	Former owners, H T White, B Bresciani. Amount diverted irrigated jointly with D24N/09E-12A1, -12K1.
D24N/09E-12K1	Bresciani A P	Mill Cr	Irrig Stock	* 150 head	Riparian	--	--	1900	Gravity, wooden board dam with natural spreading.	Former owners, H T White, B Bresciani. Amount diverted irrigated jointly with D24N/09E-12A1, -12B1.
D24N/09E-12H1	Bedell Charles T	Spanish Cr	Irrig Stock	325 acres by flooding 200 head	Riparian	--	--	1900	Gravity, concrete dam 8 feet high 50 feet long with short earth ditch.	Former owners, Guddici, G Stiver, W Mille, Headrick.
D24N/09E-14B1	Leonhardt Ernest G	Spanish Cr	Irrig Stock	454 acres by flooding* 200 head	Riparian	--	--	1900	Gravity, short earth ditch.	Former owners, Gansner, Chandler. Acreage reported irrigated jointly with D24N/09E-14G1, -14L1.
D24N/09E-14G1	Leonhardt Ernest G	Clear Stream	Irrig	*	Riparian	--	--	1900	Pump, 6-inch electric with short earth ditch.	Former owners, Gansner, Chandler. Amount diverted irrigated jointly with D24N/09E-14B1, -14L1.
D24N/09E-14L1	Leonhardt Ernest G	Clear Stream UT	Irrig	*	Riparian	--	--	1900	Pump, 6-inch electric with short earth ditch.	Former owners, Gansner, Chandler. Amount diverted irrigated jointly with D24N/09E-14B1, -14G1.
D24N/09E-15G1	Monlux Armand	Spanish Cr UT	Irrig	119 acres by sprinkler	Riparian	--	--		Pump, electric with short pipeline.	Former owner, Whipple.
D24N/09E-16A1	Leonhardt Ernest G & Barbara Roberti Elmer & Josephine	Spanish Cr	Irrig Stock	124 acres by flooding 200 head	Riparian	--	--	1880	Gravity, 0.1 mile of earth ditch.	Former owner, Roberts, Joe Galepi.

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				AMERICAN VALLEY SUBUNIT (Continued)						
MDB&M										
D24N/09E-17B1	Bellamy C W	Spanish Cr	Irrig Stock Indust	223 acres by flooding 250 head Gravel washing plant	B	--	--	1880	Gravity, 0.5 mile of earth ditch.	Former owners, Aggie & Shaw, Gansner, Sceiber, O P Payne, Tugrasky.
D24N/09E-20C1	Stover R C & Assoc	Slate Cr	Mining	--	Approp	3.0 cfs	A-15259	1953	Gravity, small rock dam with 0.8 mile of 4-inch steel pipe.	
D24N/09E-22Q1	Quincy Water Co	Gansner Cr E Br	Munic	478 connections*	Approp	--	--	1890	Gravity, 0.2 mile of earth ditch and 1,750 feet of 4-, 6- & 8-inch pipe.	Area served jointly with D24N/09E-23D1, -23F1, -23F2. Serves community of Quincy.
D24N/09E-23D1	Quincy Water Co	Big Spring	Munic	*	Approp	--	--	1874	Gravity, natural channel to concrete dam 2 feet high 7 feet long with 36 feet of 12-inch & 60 feet of 6-inch pipe to 196,000 & 202,000 gallon storage tanks.	Former owners, Quincy Water Works, Judge Goodwin. Amount diverted served jointly with D24N/09E-22Q1, -23F1, -23F2.
D24N/09E-23F1	Quincy Water Co	Boyle Rv	Munic	*	B	--	--	1927	Gravity, short pipeline & flume to 750,000 gallon storage tank.	Former owners, Slaughter, Hattie Boyle, U S Webb. Amount diverted served jointly with D24N/09E-22Q1, -23D1, -23F2.
D24N/09E-23F2	Quincy Water Co	Boyle Rv Sp Trib	Munic	*	Approp	--	--	1900	Gravity, short 4-inch pipe to 300,000 gallon reservoir.	Former owners, Tregaskis, Dempsey, Gill. Amount diverted served jointly with D24N/09E-22Q1, -23D1, -23F1.
D24N/10E-04J1	Nordt Ranch	Taylor Cr	Irrig	10 acres by flooding	B	--	--	1900	Gravity, earth dam 4 feet high 10 feet long with short earth ditch.	
D24N/10E-06M1	Galeppi Frank D	Spanish Cr	Irrig Stock	28 acres by flooding 50 head	Riparian	--	--	1900	Pump, 8-inch electric with short earth ditch.	Former owners, John Harding, James Gentry, John Hartwell.
D24N/10E-07D1	Bresciani A P	Greenhorn Cr	Irrig Stock	60 acres by flooding 70 head	Riparian	--	--	1900	Gravity, concrete dam 6 feet high 32 feet long with short earth ditch.	Former owners, H T White, B Bresciani.
D24N/10E-08E1	Galippi John M	Greenhorn Cr	Irrig Stock	240 acres by flooding 100 head	Riparian	--	--	1900	Gravity, concrete dam 5 feet high 20 feet long with short earth ditch.	

* See remarks
— Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				AMERICAN VALLEY SUBUNIT (Continued)						
MDB&M										
D24N/10E-08M1	Galippi John M	Green Cr Sp Trib	Irrig Stock	43 acres by flooding 50 head	B	--	--	1920	Gravity, earth dam 2 feet high 10 feet long with short earth ditch.	
D24N/10E-09A1	Nordt Ranch	Taylor Cr	Irrig Stock	7 acres by flooding 20 head	B	--	--	1900	Gravity, earth dam 3 feet high 10 feet long with short earth ditch.	
D24N/10E-16C1	Galippi John M	Taylor Cr	Irrig Stock	57 acres by flooding 50 head	B	--	--	1900	Gravity, concrete dam 8 feet high 15 feet long with 2.3 miles of earth ditch.	
D24N/10E-16J1	Jeskey Robin R & Amelia	Greenhorn Cr Sp Trib	Irrig Domestic	10 acres by flooding	Approp	--	--	1910	Gravity, 0.4 mile of earth ditch to small reservoir to 480 feet of 6- & 8-inch pipe.	
D24N/10E-16L1	Leonhardt Ernest G	Thompson Cr	Irrig	27 acres by flooding	Riparian	--	--	1860	Gravity, concrete, wood & earth dam with short earth ditch.	Former owners, H S Bell, H Johnson, W Johnson & Chandler.
D24N/10E-16Q1	Leonhardt Ernest G	Greenhorn Cr	Irrig Stock	220 acres by flooding 50 head	Riparian	--	--	1900	Gravity, concrete dam 10 feet high 50 feet long with short earth ditch.	Former owners, H S Bell, H Johnson, W Johnson & Chandler. Acreage reported irrigated jointly with D25N/10E-34C1.
D24N/10E-18D1	Galeppi Frank D	Mill Cr	Irrig Stock	126 acres by flooding 200 head	Riparian	--	--	1850	Gravity, concrete dam 5 feet high 12 feet long with short earth ditch.	Former owners, Peters & John Finalson.
D24N/10E-18D2	Galeppi Frank D	Mill Cr	Irrig	34 acres by flooding	Riparian	--	--	1850	Gravity, concrete dam 5 feet high 12 feet long with short earth ditch.	Former owners, Peters & John Finalson.
D24N/10E-19L1	Clarke H F Weldon W Meadow Valley Lumber Co	Mill Cr	Irrig Stock	700 acres by flooding 290 head	B	--	--	1850	Gravity, earth dam 2 feet high 20 feet long with 1.9 miles of earth ditch.	Former owners, Samuel Lee, H S Lee, Marjorie Lee, Yates, Larrison, Peters, Weldons.
D24N/10E-19N1	Vieira Joe Tyler Margret	Mill Cr Sp Trib	Irrig Stock	18 acres by flooding 15 head	Riparian	--	--	1890	Gravity, small reservoir with 0.2 mile of earth ditch.	Former owners, Joe & Mary Vieira, E J Trege.
D24N/10E-19R1	Crawford Robert M & Eunice	Mill Cr Sp Trib	Irrig Domestic	13 acres by sprinkler 3 connections	Approp	0.026 cfs	A-11976	1950	Gravity, earth dam 3 feet high 12 feet long with 0.5 mile of 2-inch steel pipe.	

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

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			Purpose	Extent and method of use	Type	Amount	Reference[a]			
AMERICAN VALLEY SUBUNIT (Continued)										
MDB&M										
D24N/10E-20K1	Ramelli Dave	Thompson Cr Sp Trib	Irrig Stock	460 acres by flooding* 175 head	Approp	--	--		Storage & gravity, earth dam 15 feet high 350 feet long with short earth ditch. Storage capacity, unknown.	Acreage reported irrigated jointly with D24N/10E-21Q1, -27E1.
D24N/10E-21Q1	Ramelli Dave	Thompson Cr	Irrig Stock	* *	B	--	--	1890	Gravity, earth dam 3 feet high 6 feet long with 0.1 mile of earth ditch.	Former owners, Thompson, Murphy Lumber Co, Silvio Ramelli. Amount diverted irrigated jointly with D24N/10E-20K1, -27E1.
D24N/10E-22G1	Viera M E Jeskey Amelia	Greenhorn Cr	Irrig	98 acres by flooding	B	--	--	1912	Gravity, 0.3 mile of earth ditch.	Former owners, Jeskey, Fagen, Marjorie Welsh, Ditman.
D24N/10E-23P1	Calif Dept Fish Game	Greenhorn Cr	Fish Culture	--	B	--	--	1955	Gravity, small rock filled dam with 0.1 mile of 12-inch steel pipe.	
D24N/10E-27E1	Ramelli Dave	Thompson Cr	Irrig	*	B	--	--	1890	Gravity, small wood dam with 1.8 miles of earth ditch.	Former owners, Thompson, Murphy Lumber Co, Silvio Ramelli. Amount diverted irrigated jointly with D24N/10E-20K1, -21Q1.
D24N/11E-31Q1	Fibreboard Co	Estray Cr Sp Trib	Domestic	8 connections*	B	--	--	1912	Gravity, wood box with 0.1 mile of 3-inch pipe.	Former owners, M L Pratt, Bessie L Lewis. Also serves community of Spring Garden.
D24N/11E-32P1	Western Pacific R R	Estray Cr	Domestic Fire Prot	C --	B	--	--		Gravity, concrete dam 5 feet high 15 feet long with 4-inch steel pipe.	
D25N/09E-25C1	Western Pacific R R English Properties Inc	Cashman Cr	Domestic Fire Prot	60 connections --	Approp	--	--	1908	Gravity, rock & concrete dam 5 feet high 20 feet long with 7,390 feet of 6-inch steel pipe to tank No. 1 & 5,000 feet of 4-inch steel pipe to tanks No. 2 & 3.	
D25N/09E-31F1	US Plumas Nat Forest	Smith L	Recr	--	B	--	--	1905	Storage & gravity, earth dam 15 feet high 300 feet long. Storage capacity, unknown.	

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
AMERICAN VALLEY SUBUNIT (Continued)										
MDB&M										
D25N/10E-32F1	US Plumas Nat Forest	Tollgate Cr	Domestic Fire Prot	* --	Approp	--	--	1930	Gravity, 0.8 mile of 3-inch steel pipe & 8,000 gallon storage tank.	Amount diverted serves Oakland Recreation Camp.
D25N/10E-34C1	Leonhardt Ernest G	Taylor Cr	Irrig Stock	* 200 head	B	--	--	1900	Gravity, earth & rock dam 5 feet high 15 feet long with 1.9 miles of earth ditch and 2.1 miles of natural channel.	Former owners, H S Bell, H Johnson, W Johnson & Chandler. Amount diverted irrigated jointly with D24N/10E-16Q1.
CANYON SUBUNIT										
D20N/04E-09C1	Hendricks E W	Oregon Gl UT	Irrig Stock	13 acres by flooding 40 head	Approp	--	--	1860	Storage & gravity, earth dam 25 feet high 400 feet long with short 24-inch steel pipe & natural channel. Storage capacity, 160 AF.	
D20N/05E-02H1	Laase G W	Berry Cr UT	Irrig	24 acres by sprinkler	Approp	--	--	1895	Pump, earth dam 10 feet high 175 feet long with 4-inch gasoline pump to short 4-inch pipeline.	Former owners, Koster, Phillips, Robertson.
D20N/05E-18F1	Kamp Frank L	Forman Cr Sp Trib	Irrig Stock	7 acres by flooding 50 head	Riparian	--	--	1958	Pump, small earth dam with 2-inch gasoline pump & short earth ditch.	
D20N/05E-18Q1	Kamp Frank L	Forman Cr Sp Trib	Irrig Stock	44 acres by sprinkler 50 head	Riparian	--	--	1950	Pump, earth dam 15 feet high 200 feet long with 2-inch gasoline pump & short 2-inch steel pipe.	Former owner, Jim Austin.
D21N/05E-25J1	Lindmeir G W Zink Don	Berry Cr	Irrig Stock	56 acres by sprinkler & flooding 40 head	Riparian	--	--	1900	Gravity, rock & concrete dam 3 feet high 12 feet long with 0.2 mile of earth ditch.	Acreage reported irrigated jointly with D21N/06E-19L1.
D21N/05E-27E1	Pittman & Hammon	Berry Cr	Recr Domestic	-- 75 connections	B	--	--	1902	Storage & gravity, earth dam 35 feet high 370 feet long. Storage capacity, 200 AF.	Former owners, Mansfield, Malcom.
D21N/05E-27E2	Berry Creek Water Users Inc	Berry Cr	Irrig Domestic Stock Recr	146 acres by sprinkler & flooding 15 connections 350 head --	B	--	--	1850	Gravity, concrete dam 5 feet high 50 feet long with 400 feet of 24-inch steel pipe & 6.0 miles of earth ditch.	Former owner, Express Water Co.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
CANYON SUBUNIT (Continued)										
MDB&M										
D21N/05E-31A1	Leon Ralph Mrs	Canyon Cr UT	Irrig	10 acres by sprinkler	Riparian	--	--	1940	Storage & pump, concrete dam 15 feet high 250 feet long & a 4-inch gasoline engine with 0.5 mile of 4-inch steel pipe.	Former owner, Kasmark.
D21N/06E-19L1	Zink Don Kala A Johnson	Berry Cr	Irrig Domestic	* C	B	--	--	1900	Gravity, small earth dam with 1.0 mile of earth ditch.	Amount diverted irrigates jointly with D21N/05E-25B1.
D22N/05E-22L1	Hughes Alta	Chino Cr	Irrig Mining Domestic	17 acres by flooding -- C	Approp	--	--	1900	Gravity, wooden dam 4 feet high 16 feet long with 1.5 miles of earth ditch.	Former owner, Swayne Lumber Co.
D22N/05E-31N1	Big Bend Diversion Pac Gas & Elec Co	Feather R NF	Power	52,800 KW	Approp	--	--	1914	Storage & gravity, concrete dam 61 feet high 370 feet long with 2.9 miles of 14-foot horseshoe tunnel. Storage capacity, 600 AF.	Former owner, Great Western Power Co.
D22N/05E-34A1	Nelson Victor L	Jack Cr	Irrig	5 acres by flooding	Riparian	--	--	1930	Gravity, small rock & earth dam with short flume & 0.3 mile of earth ditch.	Former owners, Leonard, Meddleton.
D23N/05E-01L1	Cresta Dam Pac Gas & Elec Co	Feather R NF	Power Domestic	67,500 KW C	Approp	3,500 cfs	A-9800	1949	Storage & gravity, concrete dam 113 feet high 384 feet long with 4.0 miles of 19- to 27-foot tunnel & 790 feet of 12-foot penstock. Storage capacity, 4,045 AF.	
D23N/05E-27B1	Cresta Pipeline Pac Gas & Elec Co	Rocky Bar Cr	Domestic Fire Prot	C --	Approp	0.078 cfs	A-13769	1948	Gravity, concrete dam 4 feet high 25 feet long with 1,339 feet of 4- to 6-inch steel pipe.	
D23N/05E-32A1	Poe Dam Pac Gas & Elec Co	Feather R NF	Power	124,200 KW	Approp	3,500 cfs	A-9800	1958	Storage & gravity, concrete dam 60 feet high 430 feet long with 6.3 miles of 19- to 24-foot tunnel & 110 feet of 10-foot penstock. Storage capacity, 1,150 AF.	
D23N/07E-02N1	Ziegelmaier Paul	Haskins Cr Sp Trib	Domestic Recr	20 connections --	Approp Approp Approp		A-9972 A-14016 A-16427	1930	Gravity, earth dam 10 feet high 60 feet long with 0.4 mile of 1.5-inch steel pipe.	Former owners, Stevensons, Rasmussen.
D23N/07E-04K1	US Plumas Nat Forest	Thompson L	Domestic	60 connections	Approp	7,800 gpd	A-10025	1928	Gravity, 1.0 mile of 2-inch steel pipe.	

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
					CANYON SUBUNIT (Continued)					
MDB&M										
D23N/07E-11E1	Stack John F	Haskins Cr UT	Domestic Fire Prot	35 connections --	Approp		A-14583	1930	Gravity, earth dam 15 feet high 100 feet long & a small earth & concrete dam below with 1.2 miles of 2-inch steel pipe.	Former owner, Edward Lane.
D24N/06E-02Q1	Camp Rodgers Pipeline Pac Gas & Elec Co	Milk Ranch Cr	Domestic Fire Prot	-- --	Approp	0.33 cfs	A-16154	1948	Gravity, 3,100 feet of 6-inch steel pipe.	
D24N/06E-16D1	Rock Crest Pipeline Pac Gas & Elec Co	Jackass Cr	Domestic Fire Prot	C --	Approp	0.056 cfs	A-13765	1949	Gravity, concrete dam 3 feet high 12 feet long with 4,690 feet of 2- to 4-inch steel pipe.	
D24N/06E-20J1	Camp Storrie Pipeline Pac Gas & Elec Co	Feather R UT NF	Domestic Fire Prot	-- --	Approp	0.3 cfs	A-5996	1928	Gravity, concrete dam 10 feet high 25 feet long with 1,455 feet of 3- to 4-inch iron pipe.	
D24N/06E-20Q1	Camp Storrie Domestic Line Pac Gas & Elec Co	Feather R UT NF	Domestic	C	Approp	7,000 gpd 0.28 cfs	A-9886	1940	Gravity, concrete dam 3 feet high 10 feet long with 1,920 feet of 4-inch steel pipe.	
D24N/06E-29A1	Bucks Creek PH Cooling Water Pac Gas & Elec Co	Muir Cr	Indust Fire Prot	-- --	Approp	2.25 cfs	A-5997	1928	Gravity, concrete dam 10 feet high 25 feet long with 1,420 feet of 1- to 8-inch steel pipe.	
D24N/06E-30B1	Rock Creek Pipeline Pac Gas & Elec Co	Miller Cr	Domestic Fire Prot	* *	Approp	15,000 gpd	A-13846	1948	Gravity, concrete dam 4 feet high 39 feet long with 2,340 feet of 3- to 6-inch steel pipe.	Amount diverted served jointly with D24N/06E-30B2.
D24N/06E-30B2	Rock Creek Pipeline Pac Gas & Elec Co	Miller Cr Little	Domestic Fire Prot	* *	Approp	15,000 gpd	A-15748	1948	Gravity, concrete dam 2 feet high 12 feet long with 300 feet of 4-inch steel pipe.	Amount diverted served jointly with D24N/06E-30B1.
D24N/06E-34A1	Grizzly Lake Tender Line Pac Gas & Elec Co	Grizzly Cr UT	Domestic Fire Prot	C --	Approp	0.25 cfs	A-11193	1945	Gravity, concrete dam 1 foot high 3 feet long with 1,100 feet of 3-inch cast iron pipe.	
D24N/06E-34G1	Grizzly Forebay Pac Gas & Elec Co	Grizzly Cr	Power	55,000 KW	Approp Approp Approp	25.0 cfs 20.0 cfs 105.0 cfs	A-4491 A-4871 A-4598	1925	Storage & gravity, concrete dam 87 feet high 420 feet long with 1.8 miles of 7- to 9-foot tunnel & 4,786 feet of 3- to 4-foot penstock. Storage capacity, 1,112 AF.	Former owner, Great Western Power Co.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

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			Purpose	Extent and method of use	Type	Amount	Reference[a]			
CANYON SUBUNIT (Continued)										
MDB&M										
D24N/07E-05F1	Three Lakes Pac Gas & Elec Co	Milk Ranch Cr	Power	*	Approp Approp	736 AF 65.0 cfs	A-4453 A-6241	1925	Storage & gravity, rockfill dam 30 feet high 560 feet long with 8.0 miles of 2- to 3-foot pipe. Storage capacity, 513 AF.	Amount diverted is for power development downstream in Pacific Gas & Electric Company's system.
D24N/07E-28N1	Silverado Area Council	Bucks L, Lower Sp Trib	Domestic Fire Prot	50 connections --	Approp Approp		A-12548 A-14864		Pump, 1-inch electric with 0.3 mile of 2-inch steel pipe.	
D24N/07E-29N1	Lower Bucks Lake Pac Gas & Elec Co	Bucks Cr	Power	*	Approp Approp Approp Approp	23,000 AF 55,000 AF 40,000 AF 150.0 cfs	A-3889 A-2195 A-4441 A-4491	1921	Storage & gravity, concrete dam 96 feet high 420 feet long with 1.1 miles of 8.0-foot tunnel. Storage capacity, 5,843 AF.	Former owner, Great Western Power Co. Amount diverted is for power development downstream in Pacific Gas & Electric Company's system.
D24N/07E-33C1	Upper Bucks Lake	Bucks Cr	Power	*	Approp Approp Approp Approp	70,000 AF 55,000 AF 23,000 AF 40,000 AF	A-2186 A-2195 A-3889 A-4441	1902	Storage & gravity, rockfill dam 109 feet high 1,220 feet long. Storage capacity, 101,926 AF.	Former owner, Feather River Canal Co, Samuel J Morris, Brown-Walker & Simmons, Great Western Power Co, Western Canal Co. Amount diverted is for power development downstream in Pacific Gas & Electric Company's system.
D24N/07E-33M1	Bucks Lake Tender Line Pac Gas & Elec Co	Bucks Cr UT	Domestic Fire Prot	C --	Approp	0.18 cfs	A-11192	1945	Gravity, earth dam 6 feet high 10 feet long with 2,280 feet of 4-inch wood stave pipe.	
CASCADE SUBUNIT										
D21N/06E-02D1	Podleski George	Feather R Little NF UT	Mining Recr	Placer Mine --	Riparian	--	--	1870	Gravity, 25 feet of 8-inch steel pipe to 0.5 mile of earth ditch.	Former owners, Ekchard, Duck Harris, C H Luehn.
D21N/06E-04J1	Reiss Louis J	Carter Rv	Irrig Recr Mining	16 acres -- Placer Mine	Approp		A-16530	1958	Gravity, earth dam 8 feet high 75 feet long with 5,000 feet of 3- to 4-inch steel pipe & 8,000 gallon storage tank.	Area served received supplemental supply from D21N/06E-08B1.
D21N/06E-08B1	Reiss Louis J & Penlein	Mt House Cr Sp Trib	Irrig Domestic Recr Fire Prot	2 acres 16 connections -- --	Approp	--	--	1861	Gravity, small earth dam with three 12,000 gallon storage tanks & 1.0 mile of 4-inch steel pipe & 1.5 miles of earth ditch.	Former owners, James Duffy, R Graze. Amount diverted also supplements D21N/06E-04J1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

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			Purpose	Extent and method of use	Type	Amount	Reference^a			
CASCADE SUBUNIT (Continued)										
MDB&M										
D21N/06E-10G1	Smith Hood	Indian Cr	Irrig	14 acres by flooding	Riparian	--	--	1850	Gravity, small earth dam with short pipeline, flume, & ditch.	Former owner, Jim Smith.
D21N/06E-16C1	Phillips Douglas	Adams Cr UT Sp Trib	Irrig	4 acres by furrow	Riparian	--	--	1900	Pump, 2-inch gasoline with short 1-inch pipe.	Former owners, Adams, Turner, Phillips.
D21N/06E-17B1	Seater Marian C Mrs	Brush Cr UT	Irrig Domestic	14 acres by flooding C	Riparian	--	--	1880	Gravity, small earth dam with 0.6 mile of earth ditch.	Former owners, Simpson, Hinton.
D21N/06E-28P1	Johnson	Dean Cr UT	Irrig	10 acres by furrow & flooding	B	--	--		Gravity, 0.5 mile of earth ditch.	
D21N/06E-36R1	Feather River Pine Mills	Grubbes Cr	Indust Domestic	Lumber Mill --	Approp	3.0 cfs	A-9690	1880	Gravity, wooden division box with 3.5 miles of earth ditch.	Former owner, Hutchinson Lumber Co. Area served jointly with D21N/07E-31F1.
D21N/07E-31F1	Feather River Pine Mills	Frey Cr Little	Indust Domestic	* *	Approp	3.0 cfs	A-9690	1880	Gravity, wooden division box with 1.1 miles of earth ditch.	Former owner, Hutchinson Lumber Co. Amount diverted served jointly with D21N/06E-36R1.
D23N/07E-14E1	Allen Russel	Willow Cr UT	Stock Recr	25 head --	Riparian	--	--		Gravity, earth dam 10 feet high 150 feet long.	Former owners, Faggs, R E Couillard.
D23N/10E-04Q1	Egbert Harvey W	Willow Cr Sp Trib	Irrig Stock	29 acres by flooding 50 head	Approp	--	--	1865	Gravity, short earth ditch.	Former owners, W Black, Schubert, Manderville.
DIXIE SUBUNIT										
D24N/14E-04H1	Westover Co	Dixie Cr	Irrig	863 acres by flooding	Adjud	--	Sched 5^D	1944	Gravity, concrete dam 6 feet high 20 feet long with short earth ditch.	Acreage reported irrigated jointly with D24N/14E-04H2.
D24N/14E-04H2	Westover Co	Dixie Cr	Irrig	*	Adjud	--	Sched 5^D	1944	Gravity, concrete wall 5 feet high 40 feet long with short earth ditch.	Amount diverted irrigated jointly with D24N/14E-04H1.
D24N/14E-07J1	Westover Co	Red Clover Cr Sp Trib	Irrig	171 acres by flooding	Adjud	0.10 cfs	Sched 5^D	1944	Gravity, small earth pond with short earth ditches.	

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TABLE 2 (continued)

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				DIXIE SUBUNIT (Continued)						
MDB&M										
D24N/14E-08D1	Westover Co	Dixie Cr	Irrig	319 acres by flooding	Adjud	0.50 cfs	Sched 5[D]	1944	Gravity, wood dam 2 feet high 6 feet long with short earth ditch.	Acreage reported irrigated jointly with D24N/14E-08E1.
D24N/14E-08E1	Westover Co	Red Clover Cr	Irrig	*	Adjud	--	Sched 5[D]	1944	Gravity, rock crib & timber dam with short earth ditch.	Amount diverted irrigated jointly with D24N/14E-08D1.
D24N/14E-09N1	Westover Co	Red Clover Cr	Irrig	130 acres by flooding	Adjud	0.30 cfs	Sched 5[D]	1944	Gravity, short earth ditches.	
D25N/15E-12A1	Rowland Eugene A	Charles Cr	Irrig	94 acres by flooding	Riparian	--	--	1860	Gravity, earth & rock dam 4 feet high 90 feet long with short 8-inch concrete pipe & earth ditch.	Former owner, Rowland family.
D25N/15E-12A2	Rowland Eugene A	Charles Cr	Irrig	46 acres by flooding	Riparian	--	--	1860	Gravity, earth & rock dam 4 feet high 200 feet long with short earth ditch.	Former owner, Rowland Family.
D25N/15E-12N1	Rowland Eugene A	Charles Cr	Irrig	38 acres by flooding	Riparian	--	--	1860	Gravity, small earth dam with 0.4 mile of earth ditch.	Former owner, Rowland family.
D25N/16E-08Q1	Hall Marietta Hall Phillip S	Last Chance Cr UT	Irrig	129 acres by flooding*	Riparian	--	--	1863	Gravity, small earth dam with short earth ditch	Former owners, Doyle, Hall family. Acreage reported irrigated jointly with D25N/16E-08Q2, -17A1, -17A2, -17C1 & -17C2.
D25N/16E-08Q2	Hall Marietta Hall Phillip S	Last Chance Cr UT	Irrig	*	Riparian	--	--	1863	Gravity, small earth dam with short earth ditch.	Former owners, Doyle, Hall family. Amount diverted irrigated jointly with D25N/16E-08Q1, -17A1, -17A2, -17C1 & -17C2.
D25N/16E-17A1	Hall Marietta Hall Phillip S	Last Chance Cr UT	Irrig	*	Riparian	--	--	1863	Gravity, short earth ditch.	Former owners, Doyle, Hall family. Amount diverted irrigated jointly with D25N/16E-08Q1, -08Q2, -17A2, -17C1 & -17C2.
D25N/16E-17A2	Hall Marietta Hall Phillip S	Last Chance Cr UT	Irrig	*	Riparian	--	--	1863	Gravity, small earth dam with short earth ditch.	Former owners, Doyle, Hall family. Amount diverted irrigated jointly with D25N/16E-08Q1, -08Q2, -17A1, -17C1 & -17C2.

* See remarks
-- Information not available
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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
					DIXIE SUBUNIT (Continued)					
MDB&M										
D25N/16E-17C1	Hall Marietta Hall Phillip S	Last Chance Cr UT	Irrig	*	Riparian	--	--	1863	Gravity, small earth dam with short earth ditch.	Former owners, Doyle, Hall family. Amount diverted irrigated jointly with D25N/16E-08Q1, -08Q2, -17A1, -17A2 & -17C2.
D25N/16E-17C2	Hall Marietta Hall Phillip S	Last Chance Cr UT	Irrig	*	Riparian	--	--	1863	Gravity, small earth dam with short earth ditch.	Former owners, Doyle, Hall family. Amount diverted irrigated jointly with D25N/16E-08Q1, -08Q2, -17A1, -17A2 & -17C1.
D26N/13E-13E1	Humphrey Jack W	McClellan Cn	Irrig	23 acres by flooding	Riparian	--	--	1900	Gravity, small earth dam with short earth ditch.	Former owner, McDermick.
D26N/14E-04C1	Doyle Murray & Kenneth	Fitch Cn	Export	*	B	--	--	1914	Gravity, earth dam 15 feet high 600 feet long with 0.5 mile of earth ditch to point of export.	Former owner, Thomas B Doyle. Amount diverted is export to Honey Lake Basin to irrigate about 300 acres.
D26N/14E-26C1	Humphrey Jack W	Willow Cr	Irrig	7 acres by flooding	Adjud	--	Sched 5[D]	1900	Gravity, small earth dam with short earth ditch.	Former owners, Ridgenour, J L Humphrey Estate.
D26N/14E-26F1	Humphrey Jack W	Willow Cr	Irrig	44 acres by flooding	Adjud	--	Sched 5[D]	1900	Gravity, small earth dam with short earth ditch.	Former owners, Ridgenour, J L Humphrey Estate.
D26N/14E-27C1	Humphrey Jack W	Stony Cr	Irrig	26 acres by flooding	Riparian	--	--	1960	Gravity, small earth dam with short earth ditch.	
D26N/15E-29Q1	US Plumas Nat Forest	Last Chance Cr	Irrig	88 acres by flooding	Riparian	--	--	1934	Gravity, small earth dam with 18-inch pipe headgate & short earth ditch.	Former owner, John Poco.
D26N/15E-31C1	US Plumas Nat Forest	Ferris Cr	Irrig	142 acres by flooding	Riparian	--	--	1934	Gravity, concrete dam 2 feet high 20 feet long with 0.3 mile of earth ditch.	Former owner, John Poco.
D26N/15E-33C1	Joy Al	Last Chance Cr	Irrig	23 acres by flooding	Riparian	--	--	1935	Gravity, earth & rock dam 7 feet high 60 feet long with short spreading earth ditches.	Former owner, F W Flux.
D27N/13E-27L1	Harwood Claude & Lavenia	Thompson Cr	Irrig	53 acres by flooding	Riparian	--	--	1920	Gravity, small earth dam with short earth ditch.	Former owner , Dunne. Acreage reported irrigated jointly with D27N/13E-27P1 & -33A1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
					DIXIE SUBUNIT (Continued)					
MDB&M										
D27N/13E-27P1	Harwood Claude & Lavenia	Thompson Cr	Irrig	*	Riparian	--	--	1920	Gravity, small earth dam with short earth ditch.	Former owner, Dunne. Amount diverted irrigated jointly with D27N/13E-27L1 & -33A1.
D27N/13E-33A1	Harwood Claude & Lavenia	Secret Cr	Irrig	*	Riparian	--	--	1920	Gravity, small earth dam with short earth ditch.	Former owner, Dunne. Amount diverted irrigated jointly with D27N/13E-27L1 & -27P1.
D27N/14E-32E1	Harwood Claude & Lavenia	Fitch Cn	Irrig	46 acres by flooding	Riparian	--	--	1924	Gravity, small earth dam with short earth ditch.	Former owner, Linsey. Acreage reported irrigated jointly with D27N/14E-32G1.
D27N/14E-32G1	Harwood Claude & Lavenia	Fitch Cn	Irrig	*	Riparian	--	--	1924	Gravity, small earth dam with short earth ditch.	Former owner, Linsey. Amount diverted irrigated jointly with D27N/14E-32E1.
					GRIZZLY VALLEY SUBUNIT					
D27N/11E-01E1	Lundy C A	Jamison L	Irrig Domestic Power Recr	* * * *	Approp	--	--	1902	Gravity, earth & rock dam 19 feet high 150 feet long. Storage capacity, 500 AF.	Former owners, Warren Henderson, Nutt, Jamison Mining Co, Plumas-Eureka Mining Co, Sierra Buttes Mining Co. Amount diverted irrigated jointly with D22N/11E-26H1 & -36F1.
D21N/12E-01G1	Evans Rerman	Wash Cr	Irrig Stock	17 acres by flooding 260 head	Approp	--	--	1880	Gravity, small rock dam with 0.2 mile of earth ditch.	Former owners, John Jackson, T D Bennett, W Elkins. Acreage reported irrigated jointly with D21N/12E-1L1.
D21N/12E-01G2	Evans Herman	Wash Cr	Irrig Stock	71 acres by flooding* 260 head	Approp	--	--	1880	Gravity, small rock dam with short earth ditch.	Former owners, John Jackson, T D Bennett, W Elkins.
D21N/12E-01L1	Evans Herman	Jackson Sp	Irrig Stock	* *	Approp	--	--	1880	Gravity, 0.3 mile of earth ditch.	Former owners, John Jackson, T D Bennett, W Elkins. Amount diverted irrigated jointly with D21N/12E-1G1.
D21N/12E-06N1	Long Lake Graeagle Land & Water Co	Long L	Irrig Domestic Recr Power	* * -- *	Approp	1,500 AF	A-8495	1938	Storage & gravity, rock dam 12 feet high 110 feet long with 18-inch pipeline. Storage capacity, 1,478 AF.	Former owner, Placerville Lumber Co. Amount diverted supplemented D22N/12E-15P1, -21K1, -21N1 & -23M1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
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				GRIZZLY VALLEY SUBUNIT (Continued)						
MDB&M										
D21N/12E-16D1	Gold Lake Pac Gas & Elec Co	Frazier Cr	Recr Domestic Stream-Flow Maint	-- -- --	Approp	--	--	1890	Storage & gravity, rubble dam 4 feet high 80 feet long and natural channel. Storage capacity, 1,260 AF.	Former owner, Sierra Buttes Canal Co.
D21N/13E-05D1	McKenzie Guest Ranch	Sulphur Cr	Irrig Stock	* *	B	--	--	1950	Gravity, earth dam 4 feet high 380 feet long with 0.2 mile of earth ditch.	Amount diverted supplemented D21N/13E-5J1 & -6B1.
D21N/13E-05D2	McKenzie Guest Ranch	Boulder Cr	Fish Culture	*	B	--	--	1950	Gravity, small earth dam with 0.2 mile of earth ditch.	Area served received supplemental supply from D21N/13E-6K1.
D21N/13E-05J1	Carmichael Frank	Sulphur Cr	Irrig Stock	481 acres by flooding * 800 head	Approp	--	--	1900	Gravity, rock & board dam 3 feet high 16 feet long with 0.4 mile of earth ditch.	Former owner, McClear, Wiley. Acreage reported irrigated jointly with D21N/13E-5D1 & -6B1.
D21N/13E-05L1	Evans Lena Mrs	Haskell Cr	Irrig	155 acres by flooding*	Riparian	--	--	1880	Gravity, small rock dam with 0.1 mile of earth ditch.	Former owners, Gorien, Adams, Beeks, Grandona. Acreage reported irrigated jointly with D21N/13E-05M1.
D21N/13E-05M1	Evans Lena Mrs	Tamarrack Cr	Irrig	*	Riparian	--	--	1880	Gravity, small earth dam with short earth ditch.	Former owners, Gorien, Adams, Beeks, Grandona. Amount diverted irrigated jointly with D21N/13E-05L1.
D21N/13E-06B1	Carmichael Frank	Sulphur Cr	Irrig Stock	* *	Riparian	--	--	1961	Pump, 8-inch electric with 0.5 mile of 8-inch pipe.	Amount diverted irrigated jointly with D21N/13E-5D1 & -5J1.
D21N/13E-06E1	McKenize Guest Ranch	Wilson Sp	Irrig Stock	54 acres by flooding 260 head	Approp	--	--	1880	Gravity, earth dam 2 feet high 8 feet long with short earth ditch.	Former owners, John Jackson, T D Bennett, W Elkins.
D21N/13E-06E2	Evans Herman	Poplar Sp	Irrig Stock	60 acres by flooding 260 head	Approp	--	--	1880	Gravity, short earth ditch.	Former owners, John Jackson, T D Bennett, W Elkins.
D21N/13E-06E3	Carmichael Frank	Wash Cr	Irrig Stock Domestic	336 acres by flooding 400 head C	Approp	--	--	1830	Gravity, concrete dam 3 feet high 16 feet long with 0.4 mile of earth ditch.	Former owners, Charlie King, Swanson, Wiley.
D21N/13E-06K1	McKenzie Guest Ranch	Boulder Cr Little	Irrig Stock Fish Culture	78 acres by flooding* -- --	Approp	--	--	1880	Gravity, small earth dam with 0.5 mile of earth ditch.	Former owner, McKenzie family. Area irrigated received supplemental supply from D21N/13E-6P1. Amount diverted also supplemented D21N/13E-5D2.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				GRIZZLY VALLEY SUBUNIT (Continued)						
MDB&M										
D21N/13E-06M1	McKenzie Guest Ranch	McKenzie Sp	Irrig Domestic Stock	8 acres by flooding* 7 connections --	Approp	--	--	1880	Gravity, wooden dam 3 feet high 12 feet long with short earth ditch & 0.8 mile of 6-inch pipe.	Former owner, McKenzie family. Acreage reported irrigated jointly with D21N/13E-06M2.
D21N/13E-06M2	McKenzie Guest Ranch	Sulphur Cr UT	Irrig Domestic Stock	* * *	Approp	--	--	1880	Gravity, small earth dam with 0.2 mile of earth ditch.	Former owner, McKenzie family. Amount diverted irrigated jointly with D21N/13E-06M1.
D21N/13E-06M3	McKenzie Guest Ranch	Sulphur Cr UT	Irrig	10 acres by flooding	Approp	--	--	1880	Gravity, small earth dam with short earth ditch.	Former owner, McKenzie family.
D21N/13E-06P1	McKenzie Guest Ranch	Boulder Cr	Irrig	*	Approp	--	--	1880	Gravity, 0.4 mile of earth ditch.	Former owner, McKenzie family. Amount diverted supplements D21N/13E-6M1.
D22N/11E-01E1	Uhart Gene Uhalde John	Squirrel Cr	Irrig	5 acres by flooding	Riparian	--	--	1900	Gravity, rock and earth dam with 0.2 mile of earth ditch.	Former owner, Jackson.
D22N/11E-12E1	Uhart Gene Uhalde John	Bear Cr	Irrig	12 acres by flooding	Riparian	--	--	1900	Gravity, small earth and rock dam with 1.1 miles of earth ditch.	Former owners, Jackson, John Uhart.
D22N/11E-14P1	Eureka Lake Calif Div Beaches and Parks	Jamison Cr	Recr	--	Riparian	--	--	1866	Storage, earth dam 27 feet high 480 feet long. Storage capacity, 400 AF.	Former owners, Warren Henderson, Nutt, Jamison Mining Co, Plumas-Eureka Mining Co, C A Lundy.
D22N/11E-26A1	Calif Div Beaches and Parks	Jamison Cr	Domestic	5 connections	Approp	--	--	1890	Gravity, small rock dam with 1.1 miles of earth ditch.	Former owners, Warren Henderson, Nutt, Jamison Mining Co, Plumas-Eureka Mining Co, Sierra Buttes Mining Co, C A Lundy.
D22N/11E-26H1	Lundy C A	Jamison Cr	Irrig Domestic Power Recr	* * * *	Approp	--	--	1866	Gravity, rock and earth dam 3 feet high 20 feet long with 1.1 miles of 22-inch steel pipe.	Former owners, Warren Henderson, Nutt, Jamison Mining Co, Plumas-Eureka Mining Co, Sierra Buttes Mining Co. Amount diverted irrigated jointly with D22N/11E-36F1.
D22N/11E-27R1	Johnsville P U D	Jamison Cr Sp Trib	Domestic Fire Prot	60 connections --	Approp	0.05 cfs	A-20297	1890	Gravity, small concrete dam with 9,650 feet of 4-inch steel pipe.	Former owner, Johnsville Water Co.
D22N/11E-36F1	Lundy C A	Grass L	Irrig Domestic Power Recr	41 acres by flooding 60 connections 37 KW --	Approp	--	--	1893	Storage & gravity, earth & rock dam 15 feet high 275 feet long with 1.0 mile of 30- to 16-inch steel pipe & 3.5 miles of earth ditch. Storage capacity, 180 AF.	Former owners, Warren Henderson, Nutt, Jamison Mining Co, Plumas-Eureka Mining Co, Sierra Buttes Mining Co. Acreage reported irrigated jointly with D22N/11E-26H1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
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				GRIZZLY VALLEY SUBUNIT (Continued)						
MDB&M										
D22N/12E-03E1	Favetto Albert	Bonta Cr	Domestic Recr Fire Prot	* * *	Riparian	--	--	1914	Gravity, concrete dam 12 feet high 35 feet long with 0.7 mile of 8-inch steel pipe.	Former owners, Herman Bonta, Van Noy Interstate Co. Area reported served jointly with D22N/12E-03M1 & -03N1.
D22N/12E-03M1	Favetto Albert	Bonta Cr	Domestic Recr Fire Prot	* * *	Riparian	--	--	1914	Gravity, concrete dam 20 feet high 40 feet long with 0.3 mile of 4-inch steel pipe to 4,000 gallon tank to main line.	Former owners, Rerman Bonta, Van Noy Interstate Co. Amount diverted served jointly with D22N/12E-03E1 & -03N1.
D22N/12E-03N1	Favetto Albert	Bonta Cr	Domestic Recr Fire Prot	* * *	Riparian	--	--	1914	Gravity, rock and earth dam 2 feet high 6 feet long with 0.2 mile of 8-inch steel pipe to main line.	Former owners, Herman Bonta, Van Noy Interstate Co. Amount diverted served jointly with D22N/12E-03E1 & -03M1.
D22N/12E-06E1	Renner Merle L Kelsey Leo	Jamison Cr	Mining	Dredger Operations	Riparian	--	--	1890	Gravity, ponds formed in stream channel.	Former owner, Edward C Kelsey.
D22N/12E-09A1	Favetto Albert	Bonta Cr	Recr	--	Riparian	--	--	1914	Gravity, concrete dam 2 feet high 6 feet long.	Former owners, Herman Bonta, Van Noy Interstate Co.
D22N/12E-10B1	Western Pacific R R Co	Feather R MF UT	Munic	20 connections*	Approp	--	--	1912	Gravity, masonry dam 4 feet high 16 feet long with 0.8 mile of 6- & 8-inch pipe to 25,000 gallon tank.	Serves community of Blairsden.
D22N/12E-12C1	Giudici Louis	Bitterton Cr	Irrig	13 acres by flooding	Riparian	--	--	1875	Gravity, small earth & rock dam with short earth ditches.	Former owners, Lester, Webster, Louis Jorgensen.
D22N/12E-12K1	Giudici Louis	Bitterton Cr	Irrig	6 acres by flooding	Riparian	--	--	1875	Gravity, small earth dam with short earth ditch.	Former owners, Lester, Webster, Louis Jorgensen.
D22N/12E-15P1	Graeagle Land & Water Co	Gray Eagle Cr	Recr	--	Riparian	--	--	1921	Gravity, small gravel dam with 0.2 mile of earth ditch.	Former owner, Graeagle Lumber Co. Area served received supplemental supply from D21N/12E-06N1.
D22N/12E-17D1	US Plumas Nat Forest	Feather R MF Sp Trib	Domestic Fire Prot	10 connections --	Approp	7,000 GPD	A-8051	1935	Gravity, spring box 4 feet wide 6 feet long with 2.0 miles of 4-inch pipe to 10,000 gallon tank.	
D22N/12E-21H1	Graeagle Land & Water Co	Gray Eagle Cr	Irrig Domestic Recr	116 acres by flooding* 100 connections --	Approp Approp	13.75 cfs 4.0 cfs	A-8495 A-8496	1914	Gravity, concrete & rock dam 10 feet high 80 feet long with 1.3 miles of 18-inch pipe.	Former owners, Burke, Denton, Graeagle Lumber Co. Area irrigated received supplemental supply from D21N/12E-06N1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
GRIZZLY VALLEY SUBUNIT (Continued)										
STREAM										
D22N/12E-21H1	Graeagle Land & Water Co	Gray Eagle Cr	Power	350 KW*	Approp	13.75 cfs	A-8495	1935	Gravity, 0.7 mile of 18-inch pipe.	Former owner, Graeagle Lumber Co. Area served received supplemental supply from D21N/12E-06N1.
D22N/12E-23H1	Graeagle Land & Water Co	Frazier Cr	Irrig	72 acres by flooding*	Riparian	--	--	1914	Gravity, rock dam 2 feet high 70 feet long with 0.5 mile of earth ditch.	Former owners, Burke, Denton, Graeagle Lumber Co. Area irrigated received supplemental supply from D21N/12E-06N1.
D22N/12E-26Q1	Pac Gas & Elec Co	Mohawk Cr	Irrig Munic Stock	178 acres by flooding 40 connections 460 head	Approp	--	--	1880	Gravity, small earth dam with 0.4 mile of earth ditch & 1.0 mile of 2-inch pipe.	Former owner, King.
D22N/12E-26Q2	Pac Gas & Elec Co	Mohawk Cr	Irrig	55 acres by flooding	Approp	--	--	1880	Gravity, small earth dam with 0.2 mile of earth ditch.	Former owner, King.
D22N/13E-06N1	Urrutia Joe	Willow Cr	Irrig	20 acres by flooding	Riparian	--	--	1900	Gravity, 0.6 mile of earth ditch.	Former owner, Antonio Pradelli.
D22N/13E-06L1	Urrutia Joe	Willow Cr Sp Trib	Irrig	133 acres by flooding	Riparian	--	--	1914	Gravity, 0.1 mile of earth ditch.	Former owner, Antonio Pradelli.
D22N/13E-07B1	Urrutia Joe	Willow Cr Sp Trib	Stock	150 head	B	--	--	1951	Gravity, earth dam 6 feet high 70 feet long.	
D22N/14E-05K1	Portola City of	Golden Springs	Munic	525 connections	B	--	--	1910	Gravity, 2.0 miles of 2-inch steel pipe.	
D23N/11E-12F1	Reason Clyde	Little Long Valley Cr	Irrig	41 acres by flooding*	Approp	--	--	1868	Gravity, gravel dam 6 feet high 40 feet long with 1.7 miles of earth ditch.	Former owners, Tom Hartree, Barney Snyder, Nye, Totten & Webster, C Stouky, R M Mason. Previously irrigated an additional 10 acres. Area was dry-farmed in 1963.
D23N/11E-13A1	Reason Clyde	Long Valley Cr	Irrig	46 acres by flooding*	B	--	--	1856	Gravity, earth & rock dam with 0.5 mile of earth ditch.	Former owners, Parker & Turner, G A Langhorst, Balentine, Kerr, Hollopeter.
D23N/11E-13C1	Reason Clyde	Long Valley Cr	Irrig	44 acres by flooding	B	--	--	1856	Gravity, wooden dam 3 feet high 20 feet long with 0.1 mile of earth ditch.	Former owners, Parker & Turner, G A Langhorst, Balentine, Kerr, Hollopeter.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

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				GRIZZLY VALLEY SUBUNIT (Continued)						
MDB&M										
D23N/11E-13D1	Reason Clyde	Long Valley Cr	Irrig	160 acres by flooding	D	--	--	1856	Gravity, wooden dam 2 feet high 8 feet long with short earth ditch.	Former owners, Parker & Turner, G A Langhorst, Balentine, Kerr, Nollopeter. Acreage reported irrigated jointly with D23N/11E-14B1 & -14D1.
D23N/11E-13M1	Maddick Ruth D	Cogswell Rv	Irrig	15 acres by flooding	Approp	-- Patent No 6252 Vol 1 Page 532	Plumas Co	1871	Gravity, small earth dam with 0.1 mile of earth ditch.	Former owners, E C Ross, L V Tefft.
D23N/11E-14B1	Reason Clyde	Long Valley Cr	Irrig	*	Approp	--	--	1868	Gravity, rock and gravel dam with short earth ditch.	Former owners, Tom Hartree, Barney Snyder, Nye, Totten & Webster, C Stouky, R M Mason. Amount diverted irrigated jointly with D23N/11E-13D1 & -14D1.
D23N/11E-14D1	Reason Clyde	Long Valley Cr	Irrig	*	Approp	--	--	1868	Gravity, small earth dam with short earth ditch.	Former owners, Tom Hartree, Barney Snyder, Nye, Totten & Webster, C Stouky, R M Mason. Amount diverted irrigated jointly with D23N/11E-13D1 & -14B1.
D23N/11E-15A1	Feather River Lbr Co	Long Valley Cr	Indust	Lumber Mill	Riparian	--	--	1912	Gravity, concrete dam 4 feet high 30 feet long with 300 feet of 6-inch steel pipe.	Former owners, Quincy Lumber Co, Meadow Valley Lumber Co.
D23N/11E-15F1	Scharnweber M L & Donna D	Poplar Cr	Irrig Fish Culture	24 acres by flooding --	Approp	2.0 cfs	A-20403	1900	Gravity, rock and earth dam 5 feet high 40 feet long with 300 feet of 22-inch steel pipe & 0.4 mile of earth ditch.	Former owners, J A Grove, Jack Krebbs, Martin Hartwig.
D23N/11E-15Q1	Giudici Louis	Poplar Cr	Irrig	19 acres by flooding	Approp	--	--	1883	Gravity, small earth dam with short earth ditch.	Former owners, Charles Langhorst, O W Kerr.
D23N/11E-28D1	Giudici Louis	Miller Cr	Irrig	61 acres by flooding*	Approp	--	--	1883	Gravity, small earth & rock dam with two 0.2 mile earth ditches.	Former owners, Charles Langhorst, O W Kerr. Acreage reported irrigated jointly with D23N/11E-28K1 & -28M1.
D23N/11E-28K1	Giudici Louis	Poplar Cr	Irrig	*	Approp	--	--	1883	Gravity, small earth & rock dam with 0.1 mile of earth ditch.	Former owners, Charles Langhorst, O W Kerr. Amount diverted irrigated jointly with D23N/11E-28D1 & -28M1.
D23N/11E-28M1	Giudici Louis	Camp Cr	Irrig	*	Approp	--	--	1883	Gravity, small earth & rock dam with a short earth ditch.	Former owners, Charles Langhorst, O W Kerr. Amount diverted irrigated jointly with D23N/11E-28D1 & -28K1.

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TABLE 2 (continued)

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				GRIZZLY VALLEY SUBUNIT (Continued)						
MDB&M										
D23N/11E-31B1	Vogel Catharine Mrs	Jamison Cr	Domestic	10 connections	B	--	--		Pump, 4-inch electric with 300 feet of 4-inch steel pipe to two 15,000 gallon tanks.	Former owner, Mansell.
D23N/12E-07N1	Haddick Ruth D	Long Valley Cr	Irrig Power Domestic	49 acres by flooding 300 KW C	Approp	--	Plumas Co Patent No 6252 Vol 1 Page 532	1856	Gravity, log dam 4 feet high 30 feet long with 1,500 feet of 18-inch steel pipe, 50 feet of 12-inch metal flume & 0.5 mile of earth ditch.	Former owners, E C Ross, L V Tefft, Haddicks family.
D23N/12E-18D1	Varner Delores & Larry	Long Valley Cr	Domestic Power Fire Prot	7 connections 17.5 KVA --	Riparian	--	--	1931	Gravity, small wooden dam with 2,000 feet of 4- & 6-inch steel pipe.	Former owner, Clemens.
D23N/12E-18N1	Cromberg Spring Sapp George W	Cromberg Sp	Domestic	8 connections	Approp Approp Approp Approp Approp Approp Approp Approp	200 gpd 300 gpd 1,400 gpd 500 gpd 4,000 gpd 1,000 gpd 1,000 gpd .001 cfs	A-9162 A-9207 A-9273 A-9274 A-9275 A-9392 A-11205 A-12113	1920	Gravity, large concrete tank with 0.7 mile of 1-inch pipe.	Former owner, Nibley Stoddard Lumber Co.
D23N/12E-30D1	US Plumas Nat Forest	Cub Cr	Domestic	20 connections	B	--	--	1908	Gravity, wooden diversion box with 1,000 feet of 4-, 3- & 2-inch steel pipe to 10,000 gallon tank.	Former owners, Layman, Jim Batten.
D23N/13E-13F1	Carmichael Roy C	Humbug Cr Sp Trib	Irrig	32 acres by flooding	Riparian	--	--	1900	Gravity, short earth ditch.	Former owners, Humphrey, Smith.
D23N/13E-14J1	Carmichael Roy C	Humbug Cr Sp Trib	Irrig	24 acres by flooding	Riparian	--	--	1900	Gravity, short earth ditch.	Former owners, Humphrey, Smith.
D23N/13E-23Q1	Carmichael Roy C	Humbug Cr Sp Trib	Irrig	*	Riparian	--	--	1900	Gravity, short earth ditch.	Former owners, Humphrey, Smith. Amount diverted supplemented D23N/13E-26B1.
D23N/13E-24N1	Carmichael Roy C	Humbug Cr Sp Trib	Irrig	*	Riparian	--	--	1900	Gravity, short earth ditch.	Former owners, Humphrey, Smith. Amount diverted supplemented D23N/13E-26B1.
D23N/13E-26B1	Carmichael Roy C	Humbug Cr UT	Irrig	142 acres by flooding	Riparian	--	--	1900	Gravity, small earth dam with short earth ditch.	Former owners, Humphrey, Smith. Area irrigated received supplemental supply from D23N/13E-23Q1 & -24N1.

* See remarks
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For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				GRIZZLY VALLEY SUBUNIT (Continued)						
MDB&M										
D23N/13E-27H1	Carmichael Roy C	Humbug Cr	Irrig	55 acres by flooding	Riparian	--	--	1900	Gravity, small earth dam with short earth ditch.	Former owner, Humphrey, Smith.
D23N/13E-27K1	Urrutia Joe	Humbug Cr	Irrig	50 acres by flooding	Riparian	--	--	1910	Gravity, short earth ditch.	Former owner, A Pradelli.
D23N/13E-30G1	Portola City of	Willow Cr	Munic	525 connections	Approp	1.8 cfs	A-17069	1956	Gravity, concrete dam 12 feet high 60 feet long with 5.5 miles of 8-inch steel pipe.	
D23N/13E-31R1	Urrutia Joe	Willow Cr	Irrig Stock	181 acres by flooding 150 head	Approp*	1.6 cfs	A-10011	1942	Gravity, small earth dam with 2.8 miles of earth ditch.	Former owner, A Pradelli. Water right in name of City of Portola.
D23N/14E-17R1	Ramelli Jane	Grizzly Cr	Irrig Stock	276 acres by flooding 300 head	Riparian	--	--	1876	Gravity, concrete dam 2 feet high 10 feet long with 1.5 miles of earth ditch.	Former owners, Kirby, A Ramelli.
D23N/14E-20A1	Grizzly Ice Pond Walton C A	Grizzly Cr	Recr Domestic	-- --	Approp	140 AF	A-16910	1898	Pump & storage, concrete dam 25 feet high 200 feet long with 3-inch gasoline pump & 900 feet of 2-inch steel pipe.	Former owners, J Ramelli, A Ramelli, Kirby.
D23N/14E-20A2	Vallierde Andy	Grizzly Cr	Irrig Stock	38 acres by flooding 25 head	Riparian	--	--	1890	Gravity, 0.5 mile of earth ditch.	Former owner, Harry Jones.
				HONCUT CREEK SUBUNIT						
D17N/05E-05F1	Drobish Faith B	Wilson Cr UT	Irrig	18 acres	Approp	0.1 cfs	A-3332	1923	Gravity, earth dam 4 feet high 50 feet long with short earth ditch.	
D17N/05E-24M1 (Import)*	Browns Valley Ditch Browns Valley I D	North Yuba R via Colgate Tunnel	Irrig Domestic Stock	38 acres -- --	Approp	--	--	1900	Gravity, 3.7 miles of earth ditch.	Import from Yuba-Bear Rivers Hydrographic Unit.
D17N/06E-08M1 (Import)*	Yuba Investment Co	Dry Cr	Irrig Domestic	314 acres by flooding and sprinkler 7 connections	Approp Approp	25.0 cfs 16.0 cfs	A-2406 A-11596	1909	Gravity, 2.7 miles of earth ditch.	Former owner, McDonald. Import from Yuba-Bear Rivers Hydrographic Unit.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

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				HONCUT CREEK SUBUNIT (Continued)						
MDB&M										
D18N/05E-06M1	Clemes Irene L	Fine Gold Gl UT	Irrig	8 acres by sprinkler*	Approp	0.2 cfs	A-14740	1952	Pump, earth dam 8 feet high 200 feet long with 2-inch electric pump & 600 feet of 6-inch pipe.	Area irrigated receives supplemental supply from Oroville-Wyandotte I D.
D18N/05E-13H1	Brand Joseph L	Honcut Cr South UT	Irrig	9 acres by flooding*	Riparian	--	--	1924	Pump, earth dam 20 feet high 200 feet long with 2-inch gasoline pump & short pipeline.	Former owner, Midkiff.
D18N/05E-13K1	Aldrich Harry L	Honcut Cr South UT	Irrig	5 acres by flooding	Riparian	--	--	1950	Pump, earth dam 12 feet high 400 feet long with 2-inch electric pump & short 2-inch steel pipe.	
D18N/05E-13R1	Crowder William L & Helen L	Honcut Cr South	Irrig	24 acres by sprinkler	Riparian	--	--	1855	Pump, electric with short 4-inch pipe.	Former owners, M Darby, Ellis Clark.
D18N/05E-32K1	Drobish Faith B	Wilson Cr	Irrig	66 acres by flooding	Approp	0.1 cfs	A-3332	1923	Gravity, earth dam 18 feet high 300 feet long with 0.4 mile of earth ditch.	
D18N/05E-36D1	Jameson Rex F	Honcut Cr South	Irrig Domestic Stock	19 acres by flooding C --	Riparian	--	--	1856	Gravity, concrete dam 3 feet high 18 feet long with 1.8 miles of earth ditch.	Former owner, B Rose. Area irrigated receives supplemental supply from a well.
D19N/05E-31C1	Rutherford J W	Honcut Cr North WF	Irrig	21 acres by sprinkler	Riparian	--	--	1956	Gravity, 2-inch electric pump with short pipeline.	
					INDIAN VALLEY SUBUNIT					
D25N/10E-11H1	Dolphin Mrs Hazel Young G W	Montgomery Cr	Munic	30 connections	Adjud	1.0 cfs	Sched 6[D]	1950	Gravity, sand bag dam 1 foot high 15 feet long with 2.0 miles of earth ditch to small storage reservoir.	
D25N/11E-01E1	Wilbur Mrs Kathleen	Indian Cr	Irrig	47 acres by sprinkler	B	--	--		Pump, 4-inch gasoline with 0.2 mile of 6-inch pipe.	Former owner, Davis.
D25N/11E-04F1	Story Harold B	Hosselkus Cr	Irrig	34 acres by flooding	Adjud	0.45 cfs	Sched 6[D]	1875	Gravity, gravel dam 3 feet high 40 feet long with 0.6 mile of earth ditch.	

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

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			Purpose	Extent and method of use	Type	Amount	Reference[a]			
INDIAN VALLEY SUBUNIT (Continued)										
MDB&M										
D25N/11E-07P1	Newcomb David B	Indian Cr	Irrig	12 acres by flooding	Riparian	--	--	1854	Gravity, 0.4 mile of earth ditch.	Former owners, Huntington, Tony Freeman, W J Beecum.
D25N/11E-15C1	Story Harold B	Ward Cr	Irrig	94 acres by flooding	Adjud	--	Sched 6[D]	1875	Gravity, rock and earth dam 2 feet high 20 feet long with 1,700 feet of 16- to 22-inch pipe.	Former owners, Hosselkus, Grace.
D25N/11E-15H1	Story Harold B	Ward Cr	Irrig	*	Adjud	1.0 cfs	Sched 6[D]	1875	Gravity, small wooden dam with short earth ditches.	Former owner, W T Grace. Previously irrigated 14 acres. Area was dry-farmed in 1963.
D25N/11E-15H2	Story Harold B	Ward Cr	Irrig	62 acres by flooding	Adjud	--	Sched 6[D]	1875	Gravity, concrete dam 15 feet high 12 feet long with short earth ditches.	Former owner, W T Grace.
D25N/11E-17B1	Story Harold B	Grizzly Cr Little	Irrig	34 acres by flooding	Adjud	--	Sched 6[D]	1875	Gravity, wooden dam 3 feet high 12 feet long with 0.2 mile of earth ditches.	
D25N/11E-17P1	Story Harold B	Grizzly Cr Little UT	Irrig	95 acres by flooding	Adjud	--	Sched 6[D]	1875	Gravity, rock dam 2 feet high 20 feet long with 1.0 mile of earth ditch & 0.2 mile of 12-inch steel pipe.	Former owners, Rosselkus, Grace.
D25N/11E-23D1	Goodhue Joseph W	Ward Cr	Mining Power Domestic	-- -- C	Riparian Adjud	-- --	-- Sched 6[D]	1885	Gravity, small rock dam with 0.5 mile of earth ditch & 16-inch pipe.	Former owner, Joe Gruss.
D25N/12E-06G1	Dickerson C C	Red Clover Cr	Irrig	85 acres by flooding	Adjud	--	Sched 6[D]	1945	Gravity, concrete dam 4 feet high 10 feet long with short earth ditch.	Former owners, Flournoy, Evans, Curnow, Don Riehl, Mitchell, Jones.
D25N/12E-06H1	Pratt F R	Red Clover Cr	Recr Fire Prot	Fish Ponds --	Adjud	--	Sched 6[D]	1945	Gravity, small rock dam with 0.3 mile of earth ditch	
D26N/09E-01D1	Duensinger D	Williams Cr	Irrig Stock	440 acres by flooding 100 head	Adjud	0.15 cfs	Sched 3[D]	1945	Pump, concrete dam 6 feet high 20 feet long with 8-inch gasoline pump & short earth ditch.	Former owners, N O Stark, H G McCune, Tony & Vivian Miller, A O Lewis, W T Wheeler. Acreage reported irrigated jointly with D26N/09E-02J2.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				INDIAN VALLEY SUBUNIT (Continued)						
MDB&M										
D26N/09E-02B1	Dodge J	Williams Cr	Irrig Stock	89 acres by flooding 100 head	Adjud	0.50 cfs	Sched 3[D]	1945	Gravity, concrete dam 4 feet high 6 feet long with short earth ditch.	Former owner, E T & Edna M Kuntzler. Area irrigated received supplemental supply from a well.
D26N/09E-02J1	Fredrickson C G	Wolf Cr	Irrig Stock	672 acres by flooding* 150-300 head	Adjud	0.375 cfs	Sched 3[D]	1945	Pump, earth dam 4 feet high 20 feet long with 10-inch electric pump & short earth ditch.	Acreage reported irrigated jointly with D26N/10E-06Q2.
D26N/09E-02J2	Duensinger D Posch R Doyle W Dodge J U S Bureau of Indian AF	Wolf Cr	Irrig Stock	* 250 head	Adjud	0.60 cfs	Sched 3[D]	1945	Pump, earth dam 4 feet high 20 feet long with 10-inch electric pump & short earth ditch.	Former owners, N O Stark, Tony & Vivian Miller, W T Wheeler. Amount diverted irrigated jointly with D26N/09E-01D1.
D26N/09E-04H1	Meadow Valley Lumber Co	Moses Cr	Indust	Lumber Mill	Approp		A-14219	1951	Gravity, earth dam 8 feet high 20 feet long with 0.5 mile of 2-inch pipe.	
D26N/09E-04J1	Forest Lodge	Clark Rv	Domestic	35 connections	Adjud	0.50 cfs	Sched 7[D]	1918	Gravity, small earth & rock dam with 0.4 mile of earth ditch & 300 feet of 4-inch steel pipe.	Former owners, Gordon L Byers, Harry West.
D26N/09E-15E1	Round Valley Res Bidwell Water Co	Canyon Cr North	Munic	500 connections	Adjud	2.0 cfs	Sched 3[D]	1865	Storage & gravity, earth & rock dam 35 feet high 280 feet long with 3.0 mile of 6- & 8-inch steel pipe & 0.7 mile of earth ditch. Storage capacity, 4,800 AF.	
D26N/09E-17H1	Berry Rothel	Round Valley Res Sp Trib	Irrig Stock	57 acres by flooding 50 head	Riparian	--	--	1862	Gravity, earth dam 20 feet high 200 feet long with 1,500 feet of 4-inch steel pipe.	Former owner, E L Wolters.
D26N/09E-24F1	Sorsoli Water Co	Indian Cr UT	Munic Irrig	61 connections* 3 acres by flooding	Adjud	0.30 cfs	Sched 7[D]	1945	Gravity, 0.6 mile of earth ditch & 0.3 mile of pipeline.	Former owner, A Sorsoli. Serves community of Crescent Mills.
D26N/10E-01E1	Smith Fred	Cooks Cr	Irrig	122 acres by flooding	Adjud	0.50 cfs	Sched 4[D]	1945	Gravity, concrete & wood dam 6 feet high 25 feet long with short earth ditch.	Former owner, Fred & Mildred Ratcliffe-Smith.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

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			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				INDIAN VALLEY SUBUNIT (Continued)						
MDB&M										
D26N/10E-01K1	Stickel James E	Lights Cr	Irrig	371 acres by flooding	Adjud	0.20 cfs	Sched 4[D]	1945	Pump, concrete & wood dam 10 feet high 30 feet long with 10-inch gasoline pump & short 12-inch steel pipe & earth ditch.	Acreage reported irrigated jointly with D26N/10E-02J1 & also received supplemental supply from a well.
D26N/10E-02J1	Stickel James E	Cooks Cr	Irrig	*	Adjud	0.20 cfs	Sched 4[D]	1945	Gravity, wooden dam 6 feet high 20 feet long with short earth ditch.	Former owner, M A Maier, Burns. Amount diverted irrigated jointly with D26N/10E-01K1.
D26N/10E-04D1	McIntyre Cecil	Wolf Cr Sp Trib	Irrig	303 acres by flooding	Adjud	0.62 cfs	Sched 7[D]	1945	Gravity, small natural spreading ditches.	Former owner, Chico Jim. Acreage reported irrigated jointly with D26N/10E-05C1,-09G1 & D27N/10E-32Q1. Also received supplemental supply from D26N/10E-05N1.
D26N/10E-05C1	Wilbur James B	Wolf Cr Sp Trib	Irrig	*	Adjud	0.60 cfs	Sched 7[D]	1945	Gravity, small earth ditches.	Former owner, W B Perry. Amount diverted irrigated jointly with D-26N/10E-04D1, -9G1 & D27N/10E-32Q1.
D26N/10E-05N1	Wheelock L E	Wolf Cr	Irrig Stock	715 acres by flooding 50 head	Adjud	--	Sched 3[D]	1945	Gravity, small earth dam with short earth ditch.	Amount diverted also supplemented D26N/10E-04D1.
D26N/10E-06Q1	Sheehan H	Wolf Cr	Irrig Stock	172 acres by flooding 400 head	Adjud	0.25 cfs	Sched 3[D]	1945	Gravity, wooden dam 10 feet high 40 feet long with short earth ditch.	Former owners, James L Martin, Frank R McIntosh. Area irrigated received supplemental supply from a well.
D26N/10E-06Q2	Guidici J	Wolf Cr	Irrig Stock	* *	Adjud	--	Sched 3[D]	1945	Gravity, wooden dam 10 feet high 40 feet long with short earth ditch.	Former owners, James L Martin, Frank H McIntosh. Amount diverted irrigated jointly with D26N/09E-02J1.
D26N/10E-09G1	Davidson John F	Wolf Cr Sp Trib	Irrig	*	Adjud	0.10 cfs	Sched 7[D]	1945	Gravity, small natural spreading ditches with 2-inch electric pump & short 2-inch pipeline.	Former owner, C H Leggett. Amount diverted irrigated jointly with D26R/10E-04D1, -05C1 & D27N/10E-32Q1.
D26N/10E-11H1	Richards Thomas	Cooks Cr	Irrig	182 acres by flooding	Adjud	0.30 cfs	Sched 4[D]	1945	Gravity, concrete & wood dam 5 feet high 22 feet long with short earth ditch.	Former owner, W S Quigley. Acreage reported irrigated jointly with D26N/10E-12B1.
D26N/10E-11J1	Richards Thomas	Cooks Cr	Irrig	106 acres by flooding	Adjud	0.45 cfs	Sched 4[D]	1945	Gravity, wooden dam 5 feet high 22 feet long with short earth ditches.	Former owner, W S Quigley. Acreage reported irrigated jointly with D26N/10E-12F1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

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				INDIAN VALLEY SUBUNIT (Continued)						
MDB&M										
026N/10E-12B1	Richards Thomas	Lights Cr	Irrig	*	Adjud	1.90 cfs	Sched 4[D]	1945	Gravity, concrete & wood dam 7 feet high 24 feet long with short earth ditch.	Former owner, W S Quigley. Amount diverted irrigated jointly with D26N/10E-11J1. Also received supplemental supply from a well.
D26N/10E-12B2	Foor Earl	Lights Cr	Irrig	100 acres by flooding	Adjud	1.90 cfs	Sched 4[D]	1945	Gravity, concrete & wood dam 7 feet high 24 feet long with short earth ditch.	Former owner, Arthur Peter.
D26N/10E-12P1	Richards Thomas Cliff Walter E	Lights Cr	Irrig	*	Adjud	1.70 cfs	Sched 4[D]	1945	Gravity, wooden dam 6 feet high 24 feet long with short earth ditch.	Former owner, W S Quigley. Amount diverted irrigated jointly with D26N/10E-11J1 & supplemented D26N/10E-14A1. Also received supplemental supply from a well.
D26N/10E-12P2	Foor Earl	Lights Cr	Irrig	138 acres by flooding	Adjud	1.17 cfs	Sched 4[D]	1945	Gravity, wooden dam 6 feet high 24 feet long with short earth ditch.	Acreage reported irrigated jointly with D26N/10E-13B1.
D26N/10E-13B1	Foor Earl	Peters Cr	Irrig	*	B	--	--		Gravity, two metal culverts with flashboards.	Amount diverted irrigated jointly with D26N/10E-12P2.
D26N/10E-14A1	Cliff Walter E	Cooks Cr	Irrig	273 acres by flooding	Adjud	0.48 cfs	Sched 4[D]	1945	Gravity, wooden dam 4 feet high 16 feet long with short earth ditches.	Area irrigated received supplemental supply from D26N/10E-12P1 & from a well.
D26N/10E-17B1	Mc Intyre Cecil	Indian Cr	Irrig	144 acres by flooding	Approp Approp	2.5 cfs 2.0 cfs	A-15570 A-15571		Pump.	Former owner, S F Brown. Water right in name of Mary A Mc Intyre.
D26N/10E-17H1	Neer N C & F C	Indian Cr	Irrig	291 acres by flooding	Adjud	2.50 cfs	Sched 6[D]	1945	Pump, 10-inch electric with short pipeline.	
D26N/10E-19B1	Napp Kenneth	Indian Cr	Irrig	186 acres by sprinkler	Adjud	--	Para 46[D]	1945	Pump, 2-inch electric with short pipeline.	Former owners, S S Openshaw, Gregory.
D26N/10E-23A1	Bainbridge C	Forman Rv	Irrig	71 acres by flooding	Adjud	0.85 cfs	Sched 4[D]	1945	Gravity, earth dam 5 feet high 40 feet long with short earth ditch.	Former owner, Dora Johnson.
D26N/10E-24A1	Cliff Walter E	Forman Rv NF Sp Trib	Irrig Poultry	18 acres by flooding 6,000 birds	Adjud	--	--	1945	Gravity, short 3-inch pipeline.	

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

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INDIAN VALLEY SUBUNIT (Continued)										
MDB&M										
D26N/10E-24L1	Bohnecker Opal	Forman Rv SF Sp Trib	Irrig Domestic	69 acres by flooding C	Adjud	--	--	1945	Gravity, short earth ditches.	
D26N/10E-30M1	Yanez Marioo	Indian Cr Sp Trib	Irrig	81 acres by flooding	Adjud	1.0 cfs	Sched 7[D]	1935	Gravity, small earth dam with 10 feet of 10-inch steel pipe & short earth ditch.	Former owner, J E & Marioo Cardoza. Area irrigated received supplemental supply from D26N/10E-35P1.
D26N/10E-34E1	Viacava A E	Indian Cr Sp Trib	Irrig	32 acres by flooding	Adjud	0.50 cfs	Sched 7[D]	1945	Gravity, rock & gravel dam with 600 feet of earth ditch.	
D26N/10E-35D1	Openshaw Gerald	Indian Cr	Irrig	355 acres by flooding	Adjud	3.40 cfs	Sched 6[D]	1945	Gravity, gravel dam 5 feet high 150 feet long with 1.0 mile of earth ditch.	Former owners, Snyder, Biddell, S Openshaw.
D26N/10E-35P1	Millrace Ditch Hardgrave L E & J A Bates E V Hale Jerry F Heer H C Brown B F Estate of Brown Fletcher Johnson Oary Tuscani Bros Sohrero Paul Osmeyer George Wheelock L E & Nellie Hannan Bros Openshaw Gene Yanez Marion Sheehan A J & C J Young C E	Indian Cr	Irrig	3,858 acres by flooding	Adjud	--	Sched 6[D]	1852	Gravity, small rock dam with 1.0 mile of earth ditch.	Former owners, Taylor, Vanderhoeveo, W H Dolphio. Amount diverted supplemented D26N/10E-30M1.
D26N/11E-08N1	Peter James B	Peters Cr	Irrig Domestic	199 acres by flooding* C	B	--	--	1900	Gravity, concrete dam 3 feet high 22 feet long with 0.7 mile of 8-inch steel pipe.	Acreage reported irrigated jointly with D26N/11E-08Q2.
D26N/11E-08Q2	Peter James B	Peters Cr	Irrig	*	Adjud	1.0 cfs	Sched 4[D]	1900	Gravity, 25 feet of 12-inch steel pipe to 0.8 mile of earth ditch.	Amount diverted irrigated jointly with D26N/11E-08Q1.
D26N/12E-32M1	Garr Mrs Kathleen Wilhur	Indian Cr	Irrig	238 acres by flooding	Adjud	5.5 cfs	Sched 6[D]	1850	Gravity, concrete dam 2 feet high 30 feet long with 0.4 mile of 6- & 22-inch pipe 3.2 miles of earth ditch.	Former owners, Wheeler, Pierce R Evans, J L & E E Robiusoo, Harris. Area irrigated received supplemental supply from D27N/11E-35L1.

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TABLE 2 (continued)

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				INDIAN VALLEY SUBUNIT (Continued)						
MDB&M										
D27N/09E-18H1	Anderson David J	Hauns Cr	Irrig Stock	17 acres by flooding* 12 head	Approp	--	--	1890	Gravity, 0.2 mile of earth ditch.	Former owners, Dave Haun, Wolf Creek Timber Co. Area irrigated received supplemental supply from numerous small springs.
D27N/09E-25L1	Mc Keen A E	Pecks Valley Cr	Irrig Stock	19 acres by flooding 30 head	Adjud	0.50 cfs	Sched 3[D]	1862	Gravity, short earth ditches.	Former owners, M B Gott, Susie Peck.
D27N/09E-34L1	Meadow Valley Lumber Co	Wolf Cr	Indust	Lumber Mill	Adjud	--	Sched 3[D]	1900	Gravity, earth dam with 2,000 feet of wood flume.	Former owner, Setzer Forest Products Inc.
D27N/10E-32Q1	Hannon T L & H S	Wolf Cr Sp Trib	Irrig	*	Adjud	1.0 cfs	Sched 7[D]	1945	Gravity, small wooden check dams & short earth ditches.	Amount diverted irrigated jointly with D26N/10E-04D1, -05C1 & -09G1.
D27N/10E-35B1	Schlagel Henry	Cooks Cr	Irrig	213 acres by flooding	Adjud	1.50 cfs	Sched 4[D]	1945	Gravity, gravel & earth dam with short earth ditch.	Former owners, Hotchking, R H Krug.
D27N/11E-17C1	Calif Engle Mining Co	Superior Cr	Mining	Placer	Approp	1.5 cfs	A-13848	1897	Gravity, rock & wood dam 2 feet high 12 feet long with 0.4 mile of 2-inch plastic pipe.	
D27N/11E-31D1	Foland Maurice & Ellen Foor Earl	Lights Cr	Irrig Indust Stock	162 acres by flooding Dairy --	Adjud	2.90 cfs	Sched 4[D]	1945	Gravity, wood & rock dam 3 feet high 50 feet long with 1.6 miles of earth ditch.	Former owners, James T Freeman, E R Bates.
D27N/11E-31L1	Defanti Ralph & Elvezia Smith Fred	Lights Cr	Irrig	160 acres by flooding	Adjud	3.80 cfs	Sched 4[D]	1945	Gravity, rock & wood dam 1 foot high 50 feet long with 0.6 mile of earth ditch.	
D27N/11E-35L1	Taylor Lake Garr Kathleen Wilbur	Hungry Cr	Irrig	*	Approp	200 AF	A-12844	1850	Gravity & storage, earth & rubble dam 13 feet high 190 feet long with natural channel. Storage capacity, 200 AF.	Former owners, J L & E E Robinson, Harris. Amount diverted supplemented D26N/11E-32M1.
					RED HILL SUBUNIT					
D25N/06E-24F1	Indian Cr Camp Line Pac Gas & Elec Co	Indian Cr	Domestic	--	B	--	--	1934	Gravity, concrete dam 3 feet high 15 feet long with 2,300 feet of 4-inch steel pipe.	

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				RED HILL SUBUNIT (Continued)						
MDB&M										
D25N/06E-24R1	Wileon George	Belden Rv	Domestic	20 connections	B	--	--	1900	Gravity, concrete dam 3 feet high 12 feet long with 300 feet of 4-inch steel pipe.	Former owners, McCrillis, Morgenthal, Cocindole.
D25N/06E-25A1	Wilson George	Belden Rv	Power	32.5 KW	B	--	--	1900	Gravity, 0.3 mile of earth ditch & 2,000 feet of 12-, 10-, 8- & 4-inch steel pipe.	Former owners, McCrillis, Morgenthal, Cocindole.
D25N/06E-35D1	Rock Cr Dam Pac Gas & Elec Co	Feather R NF	Power Domestic	110,000 KW C	Approp	3,500 cfs	A-9800	1950	Storage & gravity, concrete dam 117 feet high 571 feet long with 6.5 miles of 22-25-foot tunnel & 930 feet of 12-foot penstock. Storage capacity, 4,287 AF.	
D25N/07E-20C1	Camp 12 Pipeline Pac Gas & Elec Co	Oak Cr	Domestic	--	B	600 gpd	A-3795	1924	Gravity, rockfill dam 3 feet high 15 feet long with 1,400 feet of 1- to 6- inch steel pipe.	
D25N/08E-08R1	Wilsoo Doo	Rush Cr	Irrig	*	Approp	--	--	1850	Gravity, 1.3 miles of earth ditch.	Former owners, Uelinga, Charles, Floyd Blankenberger. Previously irrigated 12 acres. Area was dry-farmed in 1963.
D25N/08E-14F1	US Plumas Nat Forest	Kingsbury Rv Sp Trib	Domestic Indust Recr Fire Prot	18 connections Lumber Mill -- --	B	--	--	1947	Gravity, encased spring with 1.0 mile of 2-inch pipe & water tank.	Former owner, Dillinger
D25N/08E-14N1	Nigh Sierra Pine Mills Inc	Feather R E Br NF	Fire Prot	*	B	--	--	1947	Pump, 8-inch electric with 100 feet of 8-inch pipe.	Former owners, Meadow Valley Lumber Co, Plumas Box Factory. Amount diverted serves area jointly with D25N/08E-22H1.
D25N/08E-21M1	Chatham Jack	Feather R E Br NF Sp Trib	Domestic	7 connections	B	--	--	1953	Gravity, 1,000 feet of 2-inch steel pipe.	
D25R/08E-22G1	High Sierra Pine Mills Inc	Feather R E Br NF	Indust Fire Prot	Lumber Mill --	Approp	0.525 cfs 10 AF	A-11786	1947	Pump, 8-inch electric with short pipeline.	Former owners, Meadow Valley Lumber Co, Plumas Box Factory.
D25N/08E-22H1	High Sierra Pine Mills Inc	Feather R E Br NF Sp Trib	Fire Prot	*	Riparian	--	--	1947	Gravity, four 26,000 gallon storage tanks & 1.0 mile of 6-inch pipe.	Former owners, Meadow Valley Lumber Co, Plumas Box Factory. Amount diverted serves area jointly with D25N/08E-14N1.

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-- Information not available
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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				RED HILL SUBUNIT (Continued)						
MDB&M										
D25N/08E-23J1	High Sierra Pines	Feather R E Br NF Sp Trib	Domestic	15 connections	Riparian	--	--	1947	Gravity, 0.3 mile of 2-inch pipe to 18,000 gallon storage tank.	Former owners, Meadow Valley Lumber Co, Plumas Box Factory.
D25N/09E-14E1	Piedmont Council Boy Scouts of America	Clear Cr	Domestic Stock Fire Prot	23 connections -- --	Approp	--	A-4580	1928	Gravity, rock masonry dam 4 feet high 12 feet long with 0.7 mile of 6- & 3-inch steel pipe to storage tanks.	Former owner, Wallace Alexander.
D25N/09E-17H1	Paxton Lodge	Feather R E Br NF Sp Trib	Domestic	12 connections	B	--	--	1916	Gravity, 0.4 mile of 6-inch wood stave & 4-inch steel pipe.	
D25N/09E-21J1	English Properties Inc	Spanish Cr Sp Trib	Domestic Irrig	40 connections 21 acres by flooding	B	--	--	1944	Gravity, concrete dam 1 foot high 30 feet long with 0.2 mile of 6-inch steel pipe & 20,000 gallon storage tank.	Former owners, Jim Maxwell, Charlie Rheim.
D25N/09E-28L1	Galeppi Frank & John	Butterfly Cr	Irrig	7 acres by flooding	Riparian	--	--	1880	Gravity, small rock dam with 0.2 mile of earth ditch.	Former owners, Ball, Morris Smith, J G Maxwell, Steve Ede, Toole Lumber Co, Clark Lee.
D25N/09E-28N1	English Properties Inc	Butterfly Cr Sp Trib	Recr	Fish Ponds	Approp	--	--	1876	Gravity, small earth & rock dam with 0.6 mile of earth ditch.	Former owners, Alfred Smith, Richard Smith, W W Kellog.
D25N/09E-33D1	English Properties Inc	Butterfly Cr UT	Recr	Fish Ponds	Approp	--	--	1880	Gravity, small earth & rock dam with 0.4 mile of earth ditch.	
D26N/06E-01C1	Lemm Franklin P Estate of	Yellow Cr	Irrig	259 acres by flooding	Riparian	--	--	1854	Gravity, small earth dam with short earth ditch.	Acreage reported irrigated jointly with D26N/06E-01E1 & D27N/06E-35Q1.
D26N/06E-01E1	Lemm Franklin P Estate of	Yellow Cr	Irrig	*	Riparian	--	--	1854	Gravity, small earth & wood dam with short earth ditch.	Amount diverted irrigated jointly with D26N/06E-01C1 & D27N/06E-35Q1.
D26N/07E-11Q1	Pac Gas & Elec Co	Goon Cr	Domestic Fire Prot	C --	Approp	0.2 cfs	A-3738	1923		
D26N/07E-13B1	Butt Valley Res Pac Gas & Elec Co	Butt Cr	Power Fire Prot	195,000 KW --	B	--	--	1921	Gravity & storage, earth dam 80 feet high 1,370 feet long with 3.4 miles 10-13 foot tunnel & 2,300 feet of 12-foot penstock. Storage capacity, 49,929 AF.	
D26N/07E-13E1	Butt Valley Tender Line Pac Gas & Elec Co	Benner Cr	Domestic Fire Prot	C --	B	--	--	1926	Gravity, concrete dam 3 feet high 19 feet long with 1,440 feet of 2-inch steel pipe.	

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				RED HILL SUBUNIT (Continued)						
MDB&M										
D26N/07E-23K1	Caribou Camp Line Pac Gas & Elec Co	French Cr	Domestic Fire Prot	25 connections --	Approp	0.13 cfs	A-1208	1920	Gravity, concrete dam 3 feet high 12 feet long with 2,500 feet of 4- to 6-inch steel pipe.	
D26N/07E-25D1	Pac Gas & Elec Co	French Cr	Domestic	C	Approp	0.5 cfs	A-3794	1924		
D26N/07E-26K1	Caribou Afterbay Pac Gas & Elec Co	Feather R NF	Power Domestic	-- C	Approp	3,500 cfs	A-9800	1940	Gravity & storage, earth dam 164 feet high 500 feet long. Storage capacity, 2,400 AF.	
D27N/06E-03D1	Baccala Bros	Soldier Cr	Irrig	497 acres by flooding	Riparian	--	--	1870	Gravity, small earth & rock dam with short earth ditch.	Acreage reported irrigated jointly with D28N/06E-32G1, -33F1, -33G1 & is supplemented by D27N/06E-03M1.
D27N/06E-03M1	Baccala Bros	Soldier Cr UT	Irrig Domestic	* C	Riparian	--	--	1870	Gravity, earth & rock dam 3 feet high 10 feet long with short earth ditch & 0.3 mile of 4-inch steel pipe.	Amount diverted also supplements D27N/06E-03D1.
D27N/06E-13E1	Bope Norman	Butt Cr	Irrig	76 acres by flooding	Riparian	--	--	1856	Gravity, 0.6 mile of earth ditch.	Former owner, Antonio Dotta. Acreage reported irrigated jointly with D27N/06E-24J1 & D27N/07E-19M1.
D27N/06E-14A1	Baccala Bros	Soldier Cr	Irrig	9 acres by flooding	Riparian	--	--	1870	Gravity, small wooden dam with short earth ditch.	Former owner, Fanani.
D27N/06E-14L1	Baccala Bros	Butt Cr	Irrig	28 acres by flooding	Riparian	--	--	1870	Gravity, small earth & rock dam with short earth ditches.	Former owner, Fanani.
D27N/06E-14L2	Baccala Bros	Butt Cr	Irrig	6 acres by flooding	Riparian	--	--	1870	Gravity, small earth & rock dam with short earth ditch.	Former owner, Fanani.
D27N/06E-24J1	Rope Norman	Butt Cr Sp Trib	Irrig	*	Riparian	--	--	1856	Gravity, small earth dam with short earth ditch.	Former owner, Antonio Dotta. Amount diverted irrigated jointly with D27N/06E-13E1 & D27N/07E-19M1.
D27N/06E-34H1	Pac Gas & Elec Co	Yellow Cr	Irrig	538 acres by flooding	B	--	--	1855	Gravity, wooden dam 4 feet high 12 feet long with 0.5 mile of earth ditch.	Former owners, P R Welch, Farr & Camp, E Wallack, Oro Light & Power Co. Acreage reported irrigated jointly with D27N/06E-35D1 & -35G1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

RED HILL SUBUNIT (Continued)

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
MDB&M										
D27N/06E-35D1	Pac Gas & Elec Co	Yellow Cr Sp Trib	Irrig	*	B	--	--	1855	Gravity, small earth dike with 0.7 mile of earth ditch.	Former owners, P R Welch, Farr & Camp, E Wallack, Oro Light & Power Co. Amount diverted irrigated jointly with D27N/06E-34H1 & -35G1.
D27N/06E-35G1	Pac Gas & Elec Co	Yellow Cr Sp Trib	Irrig	*	B	--	--	1855	Gravity, small earth dam with short earth ditch.	Former owners, P R Welch, Farr & Camp, E Wallack, Oro Light & Power Co. Amount diverted irrigated jointly with D27N/06E-34H1 & -35D1.
D27N/06E-35Q1	Lemm Franklin P Estate of	Yellow Cr	Irrig	*	Riparian	--	--	1854	Gravity, small earth & rock dam with 0.4 mile of earth ditch.	Amount diverted irrigated jointly with D26N/06E-01C1 & -01E1.
D27N/07E-19C1	Rope Norman	Yellow Cr	Irrig	27 acres by flooding	Riparian	--	--	1856	Gravity, small earth dam with 0.2 mile of earth ditch.	Former owner, Antonio Dotta. Area irrigated receives supplemental supply from numerous small springs.
D27N/07E-19M1	Hope Norman	Butt Cr Sp Trib	Irrig Domestic	* C	Riparian	--	--	1856	Gravity, short earth ditch.	Former owner, Antonio Dotta. Amount diverted irrigated jointly with D27N/06E-13E1 & -24J1.
D27N/07E-25L1	Allen Renry	Ohio Cr Sp Trib	Mining	Hydraulic	Riparian	--	--	1941	Pump, earth dam 4 feet high 15 feet long with 2-inch gasoline pump and 0.2 mile of 4-inch steel pipe & earth ditch.	
D27N/07E-31H1	Scarbrough Jefferson	Miller Cr	Mining Power Domestic	Placer 500 KW --	Riparian	--	--	1900	Gravity, small earth & rock dam with 0.3 mile earth ditch & 150 feet of 3- & 4-inch pipe.	Former owners, Frank Miller, C T Welsh.
D27N/07E-32E1	Miller Mark T	Miller Cr	Power Domestic	5 KW C				1942	Gravity, concrete dam 3 feet high 15 feet long with 1.0 mile of 4- & 2-inch steel pipe.	
D28N/06E-32G1	Baccala Bros	Soldier Cr	Irrig	*	Riparian	--	--	1870	Gravity, small rock & wood dam with short earth ditch.	Amount diverted irrigated jointly with D27N/06E-03D1, D28N/06E-33F1 & -33G1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				RED HILL SUBUNIT (Continued)						
MDB&M										
D28N/06E-33F1	Baccala Bros	Soldier Cr	Irrig	*	Riparian	--	--	1870	Gravity, earth & rock dam 3 feet high 30 feet long with short earth ditch.	Amount diverted irrigated jointly with D27N/06E-03D1, D28N/06E-32G1 & -33G1.
D28N/06E-33G1	Baccala Bros	Soldier Cr	Irrig	*	Riparian	--	--	1870	Gravity, rock & wood dam 3 feet high 40 feet long with 0.1 mile of earth ditch.	Amount diverted irrigated jointly with D27N/06E-03D1, D28N/06E-32G1 & -33F1.
				SIERRA VALLEY SUBUNIT						
D19N/15E-11P1 (Import)*	Little Truckee-Sierra Valley Ditch Sierra Valley Water Co Inc	Truckee R, Little	Irrig Domestic Stock	* 26 connections --	Adjud	60 cfs	Para 65[E]	1870	Gravity, concrete dam 10 feet high 60 feet long with 2.0 miles of earth ditch and cold stream channel for conveyance.	Amount diverted supplemented lands of company shareholders. Import from Truckee River Hydrographic Unit.
D20N/14E-01E1	Wehber G D	Perry Cr	Irrig Stock	565 acres by flooding* --	Adjud	--	Sched 10[E]	1869	Gravity, wood dam 5 feet high 20 feet long with short earth ditches.	Former owner, Anna B Miller. Acreage reported irrigated jointly with D20N/14E-12F1 & D20N/15E-07N1. Also received supplemental supply from D19N/15E-11P1.
D20N/14E-01H1	Torri E A & Sons	Lemon Cr	Irrig Stock	388 acres by flooding* 800 head	Adjud	--	Sched 10[E]	1868	Gravity, wood dam 4 feet high 6 feet long with short earth ditch.	Acreage reported irrigated jointly with D21N/14E-35A1 & -36L1. Also received supplemental supply from D19N/15E-11P1.
D20N/14E-01N1	Small Frank M	Perry Cr	Irrig Stock	391 acres by flooding* 200 head	Adjud	--	Sched 10[E]	1870	Gravity, wood dam 7 feet high 18 feet long with short earth ditch.	Former owner, Seth & Florence M Law. Acreage reported irrigated jointly with D20N/14E-12C1. Also received supplemental supply from D19N/15E-11P1, D20N/14E-12F1 & -12P1.
D20N/14E-02B1	Wilson Bros	Hamlin Cr	Irrig Stock	111 acres by flooding* 100 head	Adjud	1.50 cfs	Sched 7[E]	1869	Gravity, wood dam 5 feet high 16 feet long with short earth ditch.	Former owner, Horace G Adams. Amount diverted also supplemented D21N/14E-26K1, -27H1, -35E1, -35G1 & -35H1. Received supplemental supply from D19N/15E-11P1.
D20N/14E-02M1	Martinetti Delia R	Hamlin Cr	Irrig Stock	473 acres by flooding* 300 head	Adjud	0.40 cfs	Sched 7[E]	1873	Gravity, wood dam 2 feet high 10 feet long with short earth ditch.	Acreage reported irrigated jointly with D20N/14E-03K1, -03N1, -03R1, -09B1, -09B2, -09G1 & 10D1. Also received supplemental supply from D20N/14E-09K1. Amount diverted also supplemented D20N/14E-02M2.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D20N/14E-02M2	Webber G D & Edith M	Hamlin Cr	Irrig Stock	252 acres by flooding* --	Adjud	--	Sched 7[E]	1874	Gravity, short earth ditch.	Former owner, Anna B Miller. Area irrigated received supplemental supply from D20N/14E-02M1.
D20N/14E-03K1	Martinetti Delia R	Berry Cr W	Irrig Stock	* 300 head	Adjud	0.25 cfs	Sched 7[E]	1870	Gravity, wood dam 3 feet high 20 feet long with short earth ditch.	Amount diverted irrigated jointly with D20N/14E-02M1, -03N1, -03R1, -09B1, -09B2, -09G1 & 10D1. Also supplemented D20N/14E-03L1 & D21N/14E-35N1. Also received supplemental supply from D20N/14E-09K1.
D20N/14E-03L1	Church Gordon	Miller Cr W Br	Irrig Stock	317 acres by flooding* 150 head	Adjud	1.30 cfs	Sched 7[E]	1874	Gravity, concrete & wood dam 6 feet high 15 feet long with short earth ditch.	Area irrigated received supplemental supply from D20N/14E-03K1. Amount diverted also supplemented D21N/14E-35N1.
D20N/14E-03N1	Martinetti Delia R	Berry Cr W	Irrig Stock	* *	Adjud	--	Sched 7[E]	1870	Gravity, small wood dam with short earth ditch.	Amount diverted irrigated jointly with D20N/14E-02M1, -03K1, -03R1, -09B1, -09B2, -09G1 & -10D1. Also received supplemental supply from D20N/14E-09K1.
D20N/14E-03R1	Martinetti Delia R	Berry Cr E	Irrig Stock	* *	Adjud	--	Sched 7[E]	1870	Gravity, wood dam 3 feet high 15 feet long with short earth ditch.	Amount diverted irrigated jointly with D20N/14E-02M1, -03K1, -03N1, -09B1, -09B2, -09G1, & -10D1. Also supplemented and also received supplemental supply from D20N/14E-09K1.
D20N/14E-04D1	Church Gordon Turner Frank	Turner Cr	Irrig Stock	355 acres by flooding --	Adjud	0.65 cfs	Sched 7[E]	1870	Gravity, small wood dam with short earth ditch.	Acreage reported irrigated jointly with D20N/14E-04J1. Also received supplemental supply from D21N/14E-33Q1. Amount diverted also supplemented D20N/14E-04F1, -04P1, -04Q1 & D21N/14E-32N1, -32N2 & 32P1.
D20N/14E-04F1	Church Gordon	Turner Cr	Irrig Stock	150 acres by flooding* --	Adjud	--	Sched 7[E]	1870	Gravity, concrete dam 5 feet high 25 feet long with short earth ditch.	Acreage reported irrigated jointly with D21N/14E-32N1, -32N2 & -32P1. Also received supplemental supply from D20N/14E-04D1. Amount diverted also supplemented D20N/14E-04P1 & -04Q1.
D20N/14E-04J1	Church Gordon	Turner Cr	Irrig Stock	* --	Adjud	1.80 cfs	Sched 7[E]	1870	Gravity, 3 feet diameter concrete culvert with short earth ditch.	Former owner, A B Church. Amount diverted irrigated jointly with D20N/14E-04D1. Also received supplemental supply from D21N/14E-33Q1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D20N/14E-04P1	Cavitt J H	Spring Brook Cr	Irrig Stock	130 acres by flooding* 50 head	Adjud	0.45 cfs	Sched 7^E	1870	Gravity, natural flooding.	Acreage reported irrigated jointly with D20N/14E-04Q1. Also received supplemental supply from D20N/14E-04D1, -04F1 & -09B2.
D20N/14E-04Q1	Cavitt J H	Spring Brook Cr	Irrig Stock	* 80 head	Adjud	--	Sched 7^E	1870	Gravity, small wood check dam with short earth ditch.	Amount diverted irrigated jointly with D20N/14E-04P1. Also received supplemental supply from D20N/14E-04D1, -04F1 & -09B2.
D20N/14E-04R1	Cavitt J H	Berry Cr	Irrig Stock	217 acres by flooding --	Adjud	2.50 cfs	Sched 7^E	1867	Gravity, wood dam 5 feet high 15 feet long with short earth ditch.	
D20N/14E-09B1	Martinetti Delia R	Berry Cr W	Irrig Stock	* *	Adjud	0.95 cfs	Sched 7^E	1870	Gravity, wood dam 2 feet high 20 feet long with short earth ditch.	Amount diverted irrigated jointly with D20N/14E-02M1, -03K1, -03N1, -03R1, -09B2, -09G1 & -10D1. Also received supplemental supply from D20N/14E-09K1.
D20N/14E-09B2	Martinetti Delia H	Spring Brook Cr	Irrig Stock	* *	Adjud	0.43 cfs	Sched 7^E	1870	Gravity, wood dam 3 feet high 30 feet long with short earth ditch.	Amount diverted irrigated jointly with D20N/14E-02M1, -03K1, -03N1, -03R1, -09B1, -09G1 & -10D1. Also supplemented D20N/14E-04P1 & -04Q1. Also received supplemental supply from D20N/14E-09K1.
D20N/14E-09G1	Martinetti Delia R	Berry Cr E	Irrig Stock	* *	Adjud	3.50 cfs	Sched 7^E	1870	Gravity, short earth ditch.	Amount diverted irrigated jointly with D20N/14E-02M1, -03K1, -03N1, -03H1, -09B1, -09B2 & -10D1. Also received supplemental supply from D20N/14E-09K1.
D20N/14E-09K1	Strang Arthur E	Berry Cr	Irrig	101 acres by flooding*	Adjud	1.20 cfs	Sched 7^E	1862	Gravity, wood & earth dam 2 feet high 10 feet long with short earth ditch.	Area irrigated received supplemental supply from D20N/14E-03R1. Amount diverted also supplemented D20N/14E-02M1, -03K1, -03N1, -03R1, -09B1, -09B2, -09G1 & -10D1.
D20N/14E-10D1	Martinetti Delia R	Berry Cr E	Irrig Stock	* *	Adjud	--	Sched 7^E	1870	Gravity, wood dam 3 feet high 10 feet long with short earth ditch.	Amount diverted irrigated jointly with D20N/14E-02M1, -03K1, -03N1, -03R1, -09B1, -09B2 & -09G1. Also received supplemental supply from D20N/14E-09K1.
D20N/14E-10K1	Strang Arthur E	Hamlin Cr	Irrig	476 acres by flooding*	Adjud	--	Sched 7^E	1859	Gravity, wood dam 4 feet high 20 feet long with short earth ditch.	Acreage reported irrigated jointly with D20N/14E-10Q1, -15J1 & -15Q1. Also received supplemental supply from D20N/14E-14K1 & -23G1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
SIERRA VALLEY SUBUNIT (Continued)										
MDB&M										
D20N/14E-10Q1	Strang Arthur E	Hamlin Cr	Irrig	*	Adjud	--	Sched 7^E	1859	Gravity, wood dam 1.5 feet high 5 feet long with short earth ditch.	Amount diverted irrigated jointly with D20N/14E-10K1, -15J1 & -15Q1. Also received supplemental supply from D20N/14E-14K1 & -23G1.
D20N/14E-12C1	Small Frank M	Perry Cr	Irrig	*	Adjud	1.45 cfs	Sched 10^E	1870	Gravity, wood dam 5 feet high 20 feet long with short earth ditch.	Former owners, Seth & Florence M Law. Amount diverted irrigated jointly with D20N/14E-01N1. Also received supplemental supply from D19N/15E-11P1, D20N/14E-12F1 & -12P1.
D20N/14E-12F1	Small Frank M	Perry Cr	Irrig	*	Adjud	1.55 cfs	Sched 10^E	1869	Gravity, wood dam 4 feet high 10 feet long with short earth ditch.	Former owner, Seth & Florence M Law. Amount diverted irrigated jointly with D20N/14E-01E1 & D20N/15E-07N1. Also supplemented D20N/14E-01N1 & -12C1. Also received supplemental supply from D19N/15E-11P1.
D20N/14E-12P1	Wilson Bros	Perry Cr	Irrig Stock	158 acres by flooding* 100 head	Adjud	2.00 cfs	Sched 10^E	1872	Gravity, wood dam 6 feet high 12 feet long with 80 feet of 18-inch steel pipe to earth ditch.	Former owner, Horace G Adams. Area irrigated received supplemental supply from D19N/15E-11P1. Amount diverted also supplemented D20N/14E-01N1 & -12C1.
D20N/14E-12R1	Bony F G	Cold Stream	Irrig Stock	408 acres by flooding* 500 head	Adjud	5.55 cfs	Sched 10^E	1865	Gravity, concrete dam 8 feet high 12 feet long with 15 feet of 12-inch pipe, short wood flume & earth ditch.	Acreage reported irrigated jointly with D20N/15E-07G1 & -07M1. Also received supplemental supply from D19N/15E-11P1 & D20N/15E-07N1.
D20N/14E-13A1	Carmichael Francis	Cold Stream	Irrig	12 acres by flooding	Adjud	0.60 cfs	Sched 10^E	1860	Gravity, wood dam 5 feet high 12 feet long with short earth ditch.	Former owner, Grace L. Wilson.
D20N/14E-13K1	Goodrich Chance Johnson Lauren McKinney J Wehber G D	Cold Stream	Irrig Stock	93 acres by flooding* --	Adjud	--	Sched 10^E	1860	Gravity, wood dam 6 feet high 20 feet long with short earth ditches.	Former owners, J W Morgan, Johnson & Adams. Area irrigated received supplemental supply from D19N/15E-11P1.
D20N/14E-13K2	Wehber, G D	Perry Cr	Irrig	172 acres by flooding*	Adjud	3.20 cfs	Sched 10^E	1869	Gravity, wood dam 6 feet high 10 feet long with short earth ditch.	Area irrigated received supplemental supply from D19N/15E-11P1. Amount diverted also supplemented D20N/14E-13Q1.
D20N/14E-13Q1	Wehber G D	Perry Cr	Irrig	92 acres by flooding*	Adjud	4.10 cfs	Sched 10^E	1869	Gravity, wood dam 5 feet high 20 feet long with short earth ditch.	Former owner, Anna B Miller. Area irrigated received supplemental supply from D19N/15E-11P1, D20N/14E-13K2 & -26B1.

* See remarks

-- Information not available

For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D20N/14E-14K1	Amodei John	Hamlin Cr Sp UT	Irrig	231 acres by flooding	Adjud	1.20 cfs	Para 78[E]	1868	Gravity, natural spreading	Acreage reported irrigated jointly with D20N/14E-23G1 & -26B1. Amount diverted also supplemented D20N/14E-10K1, -10Q1, -15K1 & -15Q1.
D20N/14E-15A1	Maddalena Louie	Hamlin Cr	Irrig	493 acres by flooding*	Adjud	--	Sched 7[E]	1864	Gravity, wood dam 2 feet high 5 feet long with short earth ditch.	Former owner, H Dotta. Acreage reported irrigated jointly with D20N/14E-22A1, -22H1 & -23F1. Also received supplemental supply from D20N/14E-15J1.
D20N/14E-15J1	Strang Arthur E	Hamlin Cr	Irrig	*	Adjud	--	Sched 7[E]	1859	Gravity, wood dam 5 feet high 10 feet long with short earth ditch.	Former owner, H Dotta. Amount diverted irrigated jointly with D20N/14E-10K1, -10Q1 & -15Q1. Also supplemented D20N/14E-15A1, -22A1, -22H1 & -23F1. Also received supplemental supply from D20N/14E-14K1 & -23G1.
D20N/14E-15Q1	Strang Arthur E	Hamlin Cr UT	Irrig	*	Adjud	7.00 cfs	Sched 7[E]	1859	Gravity, 0.2 mile of earth ditch.	Amount diverted irrigated jointly with D20N/14E-10K1, -10Q1 & -15J1. Also received supplemental supply from D20N/14E-14K1 & -23G1.
D20N/14E-22A1	Maddalena Louie	Hamlin Cr	Irrig	*	Adjud	--	Sched 7[E]	1869	Gravity, small rock dam with 0.6 mile of earth ditch.	Former owner, H Dotta. Amount diverted irrigated jointly with D20N/14E-15A1, -22H1 & -23F1. Also received supplemental supply from D20N/14E-15J1.
D20N/14E-22H1	Maddalena Louie	Hamlin Cr	Irrig	*	Adjud	2.35 cfs	Sched 7[E]	1869	Gravity, 0.7 mile of earth ditch.	Former owner, H Dotta. Amount diverted irrigated jointly with D20N/14E-15A1, -22A1 & -23F1. Also received supplemental supply from D20N/14E-15J1.
D20N/14E-23F1	Maddalena Louie	Hamlin Cr Sp Trib	Irrig	*	Adjud	--	Sched 7[E]	1969	Gravity, natural spreading.	Former owner, H Dotta. Amount diverted irrigated jointly with D20N/14E-15A1, -22A1 & -22H1. Also received supplemental supply from D20N/14E-15J1.
D20N/14E-23G1	Amodei John	Hamlin Cr Sp UT	Irrig	*	Adjud	1.00 cfs	Para 78[E]	1868	Gravity, small earth dam with 1.0 mile of earth ditch.	Amount diverted irrigated jointly with D20N/14E-14K1 & -26B1. Also supplemented D20N/14E-10K1, -10Q1, -15K1 & -15Q1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D20N/14E-23R1	McKinney Jim	Webber Cr	Irrig Stock	65 acres by flooding 100 head	Adjud	1.10 cfs	Sched 10[E]	1867	Gravity, earth dam 2 feet high 6 feet long with 0.3 mile of earth ditch.	Former owner, J W Morgan. Acreage reported irrigated jointly with D20N/14E-24P1.
D20N/14E-24B1	Pitchfork Cattle Co	Perry Cr	Irrig Stock	212 acres by flooding 100 head	Adjud	0.30 cfs	Sched 10[E]	1860	Gravity, wood dam 5 feet high 16 feet long with 0.1 mile of earth ditch.	Former owner, William A Diltz, Mary Ella Webber. Acreage reported irrigated jointly with D20N/14E-24H1 & D20N/15E-19C1. Also received supplemental supply from D19N/15E-11P1.
D20N/14E-24H1	Gose Joe	Cold Stream	Irrig Stock	* 100 head	Adjud	2.45 cfs	Sched 10[E]	1860	Gravity, concrete dam 6 feet high 12 feet long with 0.2 mile of earth ditch.	Former owner, Dell L Johnson. Amount diverted irrigated jointly with D20N/14E-24B1 & D20N/15E-19C1. Also received supplemental supply from D19N/15E-11P1.
D20N/14E-24J1	Webber O D & Edith M	Cold Stream	Irrig Stock	344 acres by flooding* 150 head	Adjud	4.15 cfs	Sched 10[E]	1872	Gravity, wood dam 5 feet high 10 feet long with 0.3 mile of earth ditch.	Former owner, Anna B Miller. Area irrigated received supplemental supply from D19N/15E-11P. Amount diverted also supplemented D20N/15E-17K1.
D20N/14E-24P1	McKinney Jim	Webber Cr	Irrig Stock	* *	Adjud	--	Sched 10[E]	1867	Gravity, earth dam 2 feet high 6 feet long with short earth ditch.	Former owner, J W Morgan. Amount diverted irrigated jointly with D20N/14E-23R1.
D20N/14E-25B1	Sierraville PUD	Bonta Cr Sp Trib	Munic	*	Approp	16,000 gpd	A-18742	1959	Gravity, natural channel to small reservoir with 1.2 miles of pipeline.	Serves community of Sierraville.
D20N/14E-26B1	Amodei John	Webber Cr	Irrig Stock	* 200 head	Adjud	2.50 cfs	Sched 10[E]	1868	Gravity, 1.5 miles of earth ditch.	Amount diverted irrigated jointly with D20N/14E-14K1 & -23G1. Also supplemented D20N/14E-13Q1.
D20N/15E-06Q1	Alpers Frank	Lemon Cr Sp Trib	Irrig	*	Adjud	1.00 cfs	Sched 10[E]	1870	Gravity, small ponds with short pipe, flume & ditch.	Amount diverted irrigated jointly with D20N/15E-07D1. Also received supplemental supply from D19N/15E-11P1.
D20N/15E-07D1	Alpers F A	Cold Stream	Irrig Stock	267 acres by flooding* 800 head	Adjud	2.20 cfs	Sched 10[E]	1870	Gravity, concrete dam 8 feet high 15 feet long with short earth ditch.	Acreage reported irrigated jointly with D20N/15E-06Q1. Also received supplemental supply from D19N/15E-11P1.
D20N/15E-07G1	Bony P G	Town Cr EB	Irrig	*	Adjud	--	Sched 10[E]	1865	Gravity, concrete dam 8 feet high 15 feet long with short earth ditch.	Amount diverted irrigated jointly with D20N/14E-12R1 & D20N/15E-07M1. Also received supplemental supply from D19N/15E-11P1 & D20N/15E-07N1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D20N/15E-07M1	Bony F G	Town Cr EB	Irrig	*	Adjud	--	Sched 10[E]	1865	Gravity, concrete dam 6 feet high 15 feet long with short earth ditch.	Amount diverted irrigated jointly with D20N/14E-12H1 & D20N/15E-07M1. Also received supplemental supply from D19N/15E-11P1 & D20N/15E-07N1.
D20N/15E-07N1	Bony F G	Town Cr W B Cold Stream	Irrig	*	Adjud	--	Sched 10[E]	1865	Gravity, wood dam 5 feet high 18 feet long with short wood flume.	Amount diverted irrigated jointly with D20N/14E-01E1 & -12F1. Also supplemented D20N/14E-12R1, D20N/15E-07G1 & -07M1. Also received supplemental supply from D19N/15E-11P1.
D20N/15E-17F1	Webber G D	Lemon Cr	Irrig	223 acres by flooding*	Adjud	2.70 cfs	Para 70[E] Para 71	1865	Gravity, wood box dam 6 feet high 6 feet long with 0.3 mile of earth ditch.	Former owner, A B Miller. Area irrigated received supplemental supply from D19N/15E-11P1. Amount diverted also supplemented D20N/15E-17K1.
D20N/15E-17K1	Webber G D	Lemon Cr	Irrig	147 acres by flooding*	Adjud	5.00 cfs	Para 70[E]	1865	Gravity, wood box dam 5 feet high 5 feet long with 0.3 mile of earth ditch.	Former owner, A B Miller. Area irrigated received supplemental supply from D20N/14E-24J1 & D20N/15E-17F1. Previously irrigated an additional 61 acres. Area was dry-farmed in 1963.
D20N/15E-19C1	Campbell Hot Springs	Hobo Sp	Irrig	*	Adjud	--	Sched 10[E]	1872	Gravity, natural flooding.	Former owners, B V & Marie Mattarolo, John Filepelli. Amount diverted irrigated jointly with D20N/14E-24B1 & -24H1.
D20N/15E-19N1	Johnson Alden	Cold Stream	Irrig	31 acres by flooding*	Adjud	1.00 cfs	Sched 10[E]	1860	Gravity, rock dam 1.5 feet high 10 feet long with 0.1 mile of pipe.	Former owner, Dell L Johnson. Area irrigated received supplemental supply from D19N/15E-11P1.
D20N/15E-20C1	Campbell Hot Springs	Campbell Sp	Irrig	232 acres by flooding	Adjud	0.80 cfs	Para 72[E]	1872	Gravity, natural flooding.	Former owners, B V & Marie Mattarolo, John Filepelli.
D20N/15E-30G1	Morgan Jack	Cold Stream Sp Trib	Irrig Domestic Stock Recr	3 acres by flooding 6 connections 12 head Fish Pond	Adjud	0.12 cfs	Sched 10[E]	1883	Gravity, 0.2 mile of earth ditch & short 3-inch pipe.	Former owner, S C Linebaugh.
D20N/16E-25E1	Lindquist Mrs	Smithneck Cr	Irrig	14 acres by flooding	Adjud	1.20 cfs	Sched 6[E]	1888	Gravity, earth dam 6 feet high 20 feet long with 0.3 mile of earth ditch.	Former owners, E J Trosi, D Conradt.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference^{a}			
SIERRA VALLEY SUBUNIT (Continued)										
MDB&M										
D21N/14E-01C1	Terhel Farms Inc	West Side Canal	Irrig	280 acres by flooding	Adjud	1.50 cfs	Sched 7^{E}	1870	Gravity, wood dam 6 feet high 15 feet long with 0.2 mile of earth ditch.	Former owner, Fred & Lillian Berry. Area irrigated received supplemental supply from D19N/15E-11P1 & D21N/14E-01C1. Amount diverted also supplemented D22N/14E-36H1 & D22N/15E-30L1.
D21N/14E-01D1	Terhel Farms Inc	West Side Canal	Irrig	202 acres by flooding*	Adjud	1.90 cfs	Sched 7^{E}	1869	Gravity, 0.1 mile of earth ditch.	Former owners, F E Humphrey Jr, McMillian, Chesterson. Area irrigated received supplemental supply from D19N/15E-11P1, D21N/14E-11R1 & -23A1.
D21N/14E-02H1	Matley Bros	West Side Canal	Irrig	143 acres by flooding	Adjud	1.70 cfs	Sched 7^{E}	1876	Gravity, short earth ditch.	Former owner, John B & Annie M Matley. Area irrigated received supplemental supply from D21N/14E-11R1.
D21N/14E-11G1	Terhel Farms Inc	West Side Canal	Irrig	2,629 acres by flooding*	Adjud	4.60 cfs	Sched 7^{E}	1869	Gravity, wood dam 4 feet high 10 feet long with short earth ditch.	Former owners, F E Humphrey Jr, McMillian, Chesterson. Acreage reported irrigated jointly with D21N/14E-11R1, -13L1, -13M1, -14E1, -14N1, -23A1, -23D1 & -23M1. Also received supplemental supply from D19N/15E-11P1, D21N/14E-13M2, -23N1 & D21N/15E-07N1. Previously irrigated an additional 49 acres. Area was dry-farmed in 1963.
D21N/14E-11R1	Terhel Farms Inc	Feather R MF UT	Irrig	*	Adjud	--	Sched 7^{E}	1869	Gravity, wood dam 6 feet high 14 feet long with short earth ditch.	Former owners, F E Humphrey Jr, McMillian, Chesterson. Amount diverted irrigated jointly with D21N/14E-11G1, -13L1, -13M1, -14E1, -14N1, -23A1, -23D1 & -23M1. Also supplemented D21N/14E-01C1, -01D1 & -02H1. Also received supplemental supply from D19N/15E-11P1, D21N/14E-13M2, -23N1 & D21N/15E-07N1.
D21N/14E-13L1	Terhel Farms Inc	East Side Channel	Irrig	*	Adjud	--	Sched 10^{E}	1872	Gravity, concrete dam 5 feet high 12 feet long with short earth ditch.	Former owner, F E Humphrey Jr. Amount Diverted irrigated jointly with D21N/14E-11G1, -11R1, -13M1, -14E1, -14N1, -23A1, -23D1 & -23M1. Also received supplemental supply from D19N/15E-11P1, D21N/14E-13M2, -23N1 & D21N/15E-07N1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D21N/14E-13M1	Terhel Farms Inc	East Side Channel	Irrig	*	Adjud	--	Sched 10^{E}	1872	Gravity, short earth ditch.	Former owner, F E Humphrey Jr. Amount diverted irrigated jointly with D21N/14E-11G1, -11R1, -13L1, -14E1, -14N1, -23A1, -23D1 & -23M1. Also supplemented D21N/15E-06K1 & -06Q1. Also received supplemental supply from D19N/15E-11P1, D21N/14E-13M2, -23N1 & D21N/15E-07N1.
D21N/14E-13M2	Terhel Farms Inc	East Side Channel	Irrig	1,309 acres by flooding*	Adjud	--	Sched 10^{E}	1872	Gravity, concrete dam 5 feet high 30 feet long with short earth ditch.	Former owner, F E Humphrey Jr. Area irrigated received supplemental supply from D19N/15E-11P1, D22N/15E-28F1 & -34P1. Amount diverted also supplemented D21N/14E-11G1, -11R1, -13L1, -13M1, -14E1, -14N1, -23A1, -23D1, -23M1, D21N/15E-06H1, -06K1, -06Q1, -07N1 & D22N/15E-34P1.
D21N/14E-14E1	Terhel Farms Inc	West Side Canal	Irrig	*	Adjud	--	Sched 7^{E}	1869	Gravity, wood dam 4 feet high 12 feet long with short earth ditch.	Former owners, F E Humphrey Jr, MCMillian, Chesterson. Amount diverted irrigated jointly with D21N/14E-11G1, -11R1, -13L1, -13M1, -14N1, -23A1, -23D1 & -23M1. Also received supplemental supply from D19N/15E-11P1, D21N/14E-13M2, -23N1 & D21N/15E-07N1.
D21N/14E-14N1	Terhel Farms Inc	West Side Canal	Irrig	*	Adjud	--	Sched 7^{E}	1869	Gravity, wood dam 4 feet high 12 feet long with short earth ditch.	Former owners, F E Humphrey Jr, McMillian, Chesterson. Amount diverted irrigated jointly with D21N/14E-11G1, -11R1, -13L1, -13M1, -14E1, -23A1, -23D1 & -23M1. Also received supplemental supply from D19N/15E-11P1, D21N/14E-13M2, -23N1 & D21N/15E-07N1.
D21N/14E-18N1	Sierra Co Water Works District	Fletcher Cr	Domestic Fire Prot	50 connections* --	Adjud	0.52 cfs	Sched 8^{E}	1874	Gravity, wood, rock & earth dam 6 feet high 30 feet long with 5,500 feet of 5-inch wood stave pipe.	Former owners, Blagen Lumber Co, Davies-Johnson Lumber Co, Farrar.
D21N/14E-19H1	Borelli A J	Fletcher Cr	Irrig	166 acres by flooding	Adjud	0.56 cfs	Sched 8^{E}	1874	Gravity, wood dam 3 feet high 12 feet long with short earth ditch.	Former owners, Blagen Lumber Co, Davies-Johnson Lumber Co, Omohondro. Acreage irrigated jointly with D21N/14E-19K1.
D21N/14E-19K1	Borelli A J	Spring Channel	Irrig	*	Adjud	1.14 cfs	Sched 8^{E}	1874	Gravity, natural spreading.	Former owner, Davies-Johnson Lumber Co. Amount diverted irrigated jointly with D21N/14E-19H1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D21N/14E-20H1	Marcus William J	Fletcher Cr	Irrig	*	Adjud	1.93 cfs	Sched 8[E]	1872	Gravity, short earth ditches.	Former owner, Samuel Devine. Amount diverted irrigated jointly with D21N/14E-20L1.
D21N/14E-20L1	Marcus William J	Fletcher Cr	Irrig	369 acres by flooding*	Adjud	1.75 cfs	Sched 8[E]	1870	Gravity, concrete dam 6 feet high 10 feet long with short earth ditches.	Former owners, Knudsen, Davies-Johnson Lumber Co, Samuel Devine. Acreage reported irrigated jointly with D21N/14E-20H1. Previously irrigated an additional 22 acres. Area was dry-farmed in 1963.
D21N/14E-21R1	Van Vleck Gordon K	Spring Channel	Irrig	38 acres by flooding	Adjud	0.25 cfs	Para 63[E]	1872	Gravity, natural spreading	Former owner, Isolina Pasquetti.
D21N/14E-22N1	Van Vleck Gordon K	Turner Cr	Irrig Stock	436 acres by flooding --	Adjud	1.60 cfs	Sched 7[E]	1874	Gravity, concrete dam 4 feet high 25 feet long with short earth ditches.	Former owners, Isolina Pasquetti. Acreage reported irrigated jointly with D21N/14E-23N1. Also received supplemental supply from D19N/15E-11P1, D21N/14E-27R1, -28N1 & -35N1.
D21N/14E-23A1	Terbel Farms Inc	East Side Channel	Irrig	*	Adjud	13.10 cfs	Sched 10[E]	1872	Gravity, wood dam 5 feet high 14 feet long with short earth ditch.	Former owner, F E Humphrey Jr. Amount diverted irrigated jointly with D21N/14E-11G1, -11R1, -13L, -13M1, -14E1, -14N1, -23D1 & -23M1. Also supplemented D21N/14E-01D1 & D21N/15E-06H1. Also received supplemental supply from D19N/15E-11P1, D21N/14E-13M2, -23N1 & D21N/15E-07N1.
D21N/14E-23D1	Terbel Farms Inc	West Side Canal	Irrig	*	Adjud	--	Sched 7[E]	1869	Gravity, wood dam 5 feet high 12 feet long with short earth ditch.	Former owners, F E Humphrey, McMillian, Chesterson. Amount diverted irrigated jointly with D21N/14E-11G1, -11R1, -13L1, -13M1, -14E1, -14N1, -23A1 & -23M1. Also received supplemental supply from D19N/15E-11P1, D21N/14E-13M2, -23N1 & D21N/15E-07N1.
D21N/14E-23H1	Vanetti Alice	Feather R MF	Irrig Stock	186 acres by flooding* --	Adjud	2.25 cfs	Sched 10[E]	1875	Gravity, concrete dam 5 feet high 20 feet long with short earth ditch.	Area irrigated received supplemental supply from D19N/15E-11P1 & D21N/14E-23Q1. Previously irrigated an additional 67 acres. Area was dry-farmed in 1963.
D21N/14E-23M1	Terbel Farms Inc	West Side Canal	Irrig	*	Adjud	--	Sched 7[E]	1869	Gravity, wood dam 6 feet high 12 feet long with short earth ditch.	Former owners, F E Humphrey, McMillian, Chesterson. Amount diverted irrigated jointly with D21N/14E-11G1, -11R1, -13L1, -13M1, -14E1, -14N1, -23A1 & -23D1. Also received supplemental supply from D19N/15E-11P1, D21N/14E-13M2, -23N1 & D21N/15E-07N1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D21N/14E-23N1	Van Vleck Gordon K	West Side Canal	Irrig	*	Adjud	8.40 cfs	Sched 7[E]	1869	Gravity, concrete & wood dam 5 feet high 10 feet long with short earth ditch.	Former owner, Isolina Pasquetti. Amount diverted irrigated jointly with D21N/14E-22N1. Also supplemented D21N/14E-11G1, -11H1, -13L1, -13M1, -14E1, -14N1, -23A1, -23D1 & -23M1. Also received supplemental supply from D19N/15E-11P1, D21N/14E-27R1, -28R1 & -35N1.
D21N/14E-23Q1	Mello Joseph	Feather R MF	Irrig	126 acres by flooding*	Adjud	1.50 cfs	Sched 10[E]	1875	Gravity, short earth ditch.	Former owners, Powers, R L Henderson. Area irrigated received supplemental supply from D19N/15E-23H1. Amount diverted supplemented D21N/14E-23H1. Previously irrigated an additional 17 acres. Area was dry-farmed in 1963.
D21N/14E-26K1	Pasquetti Bob	Feather R MF	Irrig Stock	464 acres by flooding* 100 head	Adjud	2.60 cfs	Sched 10[E]	1871	Gravity, concrete dam 5 feet high 25 feet long with short earth ditch.	Former owner, Battista Pasquetti. Acreage reported irrigated jointly with D21N/14E-27R1. Also received supplemental supply from D19N/15E-11P1 & D20N/14E-02B1.
D21N/14E-27R1	Pasquetti Bob	West Side Canal		*	Adjud	3.75 cfs	Sched 7[E]	1874	Gravity, short earth ditch.	Former owner, Isolina Pasquetti. Amount diverted irrigated jointly with D21N/14E-26K1. Also supplemented D21N/14E-22N1 & -23N1. Also received supplemental supply from D20N/14E-D2B1.
D21N/14E-28J1	Turner Frank	Turner Cr	Irrig	163 acres by flooding*	Adjud	2.50 cfs	Sched 7[E]	1872	Gravity, short earth ditch.	Former owners, C W Toomey, Virginia McLean. Area irrigated received supplemental supply from D21N/14E-28R1.
D21N/14E-28R1	Marcus William J	Turner Cr	Irrig	201 acres by flooding*	Adjud	2.50 cfs	Sched 7[E]	1873	Gravity, concrete dam 4 feet high 15 feet long with short earth ditch.	Former owners, Crouch, Olsen, Kate & Samuel Devine. Amount diverted also supplemented D21N/14E-22N1, -23N1 & -28J1.
D21N/14E-31K1	Baggenstos Leo H	Turner Canyon Sp Trib	Irrig Stock	15 acres by flooding 20 head	B	--	--	1860	Gravity, 0.2 mile of earth ditch.	Former owners, S Copren, Robert Holstrom.
D21N/14E-32M1	Dargie Tom	Turner Cr	Irrig Indust Domestic Stock	70 acres by flooding Lumber Mill --	Adjud	1.80 cfs	Sched 7[E]	1865	Gravity, short wood flume & 1.2 miles of earth ditch.	Former owner, Frank W Freeman.

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D21N/14E-32N1	Turner Frank	Turner Cr	Irrig Stock	* --	Adjud	1.25 cfs	Sched 7[E]	1864	Gravity, small rock dam with short earth ditch.	Amount diverted irrigated jointly with D20N/14E-04F1, D21N/14E-32N2 & -32P1. Also received supplemental supply from D20N/14E-04D1.
D21N/14E-32N2	Turner Frank	Turner Canyon	Irrig	*	Adjud	0.40 cfs	Sched 7[E]	1864	Gravity, short earth ditch.	Former owner, H A Turner. Amount diverted irrigated jointly with D20N/14E-04F1, D21N/14E-32N1 & -32P1. Also received supplemental supply from D20N/14E-04D1.
D21N/14E-32P1	Turner Frank	Turner Cr	Irrig Stock	* --	Adjud	--	Sched 7[E]	1864	Gravity, small wood dam with short earth ditch.	Former owner, H A Turner. Amount diverted irrigated jointly with D20N/04E-04F1, D21N/14E-32N1 & -32N2. Also received supplemental supply from D20N/14E-04D1.
D21N/14E-33G1	Dargie Tom	Turner Cr	Irrig	132 acres by flooding	Adjud	1.10 cfs	Sched 7[E]	1865	Gravity, wood dam 3 feet high 8 feet long with short earth ditch.	Former owner, Frank W Freeman.
D21N/14E-33Q1	Church Gordon	Turner Cr	Irrig	137 acres by flooding*	Adjud	1.70 cfs	Sched 7[E]	1870	Gravity, wood dam 3 feet high 7 feet long with 6 feet of 12-inch concrete pipe & short earth ditch.	Former owner, Albert B Church. Area irrigated received supplemental supply from D21N/14E-03L1. Amount diverted also supplemented D20N/14E-04D1 & -04J1.
D21N/14E-35A1	Mooney Joe	Henderson Sp	Irrig	*	Adjud	--	Sched 10[E]	1868	Gravity, natural flooding.	Former owner, Giulio Torri. Amount diverted irrigated jointly with D20N/14E-01H1 & D21N/14E-36L1.
D21N/14E-35E1	Mooney Joe	West Side Canal	Irrig Stock	330 acres by flooding* 250 head	Adjud	--	Sched 7[E]	1874	Gravity, concrete & wood dam 5 feet high 20 feet long with short earth ditch.	Former owner, George A Henderson. Acreage reported irrigated jointly with D21N/14E-35G1 & -35H1. Also received supplemental supply from D19N/15E-11P1 & D20N/14E-02B1.
D21N/14E-35G1	Mooney Joe	Perry Cr	Irrig Stock	* --	Adjud	--	Sched 10[E]	1872	Gravity, concrete dam 4 feet high 20 feet long with short earth ditch.	Former owner, Richard Mooney, George A Henderson. Amount diverted irrigated jointly with D21N/14E-35E1 & -35H1. Also received supplemental supply from D19N/15E-11P1 & D20N/14E-02B1.
D21N/14E-35H1	Mooney Joe	Town Cr	Irrig Stock	* --	Adjud	2.0 cfs	Sched 10[E]	1872	Gravity, short earth ditch.	Former owner, George A Henderson. Amount diverted irrigated jointly with D21N/14E-35E1 & -35G1. Also received supplemental supply from D19N/15E-11P1 & D20N/14E-02B1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D21N/14E-35N1	Grubbs Carleton Turner Frank R	West Side Canal	Irrig	353 acres by flooding*	Adjud	3.25 cfs	Sched 7[E]	1864	Gravity, wood dam 4 feet high 12 feet long with short earth ditch.	Former owners, B F & C B Meyers, H A Turner. Amount diverted supplemented D21N/14E-22N1 & -23N1. Also received supplemental supply from D19N/15E-11P1, D20N/14E-03K1 & -03L1.
D21N/14E-36L1	Torri E A & Sons	Town Cr	Irrig Stock	* 800 head	Adjud	--	Sched 10[E]	1868	Gravity, wood dam 4 feet high 10 feet long with short earth ditch.	Former owner, Giulio Torri. Amount diverted irrigated jointly with D20N/14E-01N1 & D21N/14E-35A1. Also received supplemental supply from D19N/15E-11P1.
D21N/15E-02E1	Genasci J C	Smithneck Cr M Br	Irrig Stock	444 acres by flooding* 200 head	Adjud	4.45 cfs	Sched 6[E]	1868	Gravity, concrete dam 4 feet high 38 feet long with short earth ditch.	Former owners, P Genasci, A Dotta, Pat Connaly. Acreage reported irrigated jointly with D21N/15E-02Q1. Amount diverted supplemented D22N/15E-34R1. Previously irrigated an additional 96 acres. Area was dry-farmed in 1963.
D21N/15E-02H1	Ina Corp	Smithneck Cr E Br	Irrig	250 acres by flooding*	Adjud	--	Sched 6[E]	1874	Gravity, wood dam 3 feet high 20 feet long with short earth ditch.	Former owners, Raffaele Dotta, A C & C Dotta. Acreage reported irrigated jointly with D21N/15E-02J1. Also supplemented D22N/15E-35G1 & -35R1. Previously irrigated an additional 44 acres. Area was dry-farmed in 1963.
D21N/15E-02J1	Ina Corp	Smithneck Cr E Br	Irrig	*	Adjud	1.80 cfs	Sched 6[E]	1874	Gravity, wood dam 5 feet high 18 feet long with short earth ditch.	Former owners, Raffaele Dotta, A C & C Dotta. Amount diverted irrigated jointly with D21N/15E-02H1. Also supplemented D22N/15E-35G1 & -35R1.
D21N/15E-02Q1	Genasci J C	Smithneck Cr M Br	Irrig Stock	* *	Adjud	4.30 cfs	Sched 6[E]	1868	Gravity, wood dam 3 feet high 20 feet long with short earth ditch.	Former owners, Perpetua Genasci, P Genasci, A Dotta, Pat Conway. Amount diverted irrigated jointly with D21N/15E-02E1. Also supplemented D22N/15E-34R1.
D21N/15E-03C1	Ramelli A D	Smithneck Cr W Br	Irrig	75 acres by flooding*	Adjud	4.80 cfs	Sched 6[E]	1878	Gravity, small earth dam with short earth ditch.	Area irrigated received supplemental supply from D21N/15E-13C2. Amount diverted also supplemented D22N/15E-34P1.
D21N/15E-06N1	Filippini George	Feather R MF UT	Irrig Stock	1,036 acres by flooding* 600 head	Adjud	3.65 cfs	Sched 10[E]	1868	Gravity, wood & earth dam 4 feet high 20 feet long with short earth ditch.	Former owner, Gloster. Area irrigated received supplemental supply from D19N/15E-11P1, D21N/14E-13M2, -23A1 & D21N/15E-16P1.

* See remarks
-- Information not available
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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference^{a}			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D21N/15E-06K1	Mooney Joseph L	Feather R MF UT	Irrig	405 acres by flooding*	Adjud	1.80 cfs	Sched 10^{E}	1871	Gravity, concrete dam 4 feet high 60 feet long with natural flooding.	Former owner, Cesare C Dotta. Acreage reported irrigated joiotly with D21R/15E-06Q1. Also received supplemental supply from D19N/15E-11F1, D21N/14E-13M1 & -13M2.
D21N/15E-06Q1	Mooney Joseph L	Feather R MF UT	Irrig	*	Adjud	--	Sched 10^{E}	1871	Gravity, wood dam 2 feet high 8 feet lnng with natural flooding.	Former owner, Cesare C Dotta. Amount diverted irrigated jointly with D21N/15E-06K1. Also received supplemental supply from D19N/15E-11F1, D21N/14E-13M1 & -13M2.
D21N/15E-07N1	Terbel Farms Inc	East Side Channel	Irrig	158 acres by flooding*	Adjud	1.45 cfs	Sched 10^{E}	1872	Gravity, wood dam 4 feet high 14 feet long with short earth ditch.	Former owner, F E Rumphrey Jr. Area irrigated received supplemental supply from D19N/15E-11P1 & D21N/14E-13M2. Amount diverted also supplemented D21N/15E-11G1, -11R1, -13L1, -13M1, -14E1, -14N1, -23A1, -23D1 & -23M1.
D21N/15E-10P1	Overman Robert E	Lombardi Sp	Irrig Stock Domestic	118 acres by flooding*	Adjud	--	E	1870	Gravity, small pond with short earth ditches.	Former owner, L S Lombardi. Ares irrigated received supplemental supply from D21N/15E-13C2.
D21N/15E-11A1	Ina Corp	Smithneck Cr E Br	Irrig	155 acres by flooding*	Adjud	0.85 cfs	Sched 6^{E}	1868	Gravity, wood dam 5 feet high 6 feet long with short earth ditches.	Former owners, May Dory, Cora V Keyes. Acreage reported irrigated jointly with D21R/15E-11A2. Also received supplemental supply from D21N/15E-11J1.
D21N/15E-11A2	Ina Corp	Smithneck Cr M Br	Irrig	*	Adjud	1.15 cfs	Sched 6^{E}	1868	Gravity, wood dam 4 feet high 15 feet long with short earth ditch.	Former owners, May Dory, Cora V Keyes. Amount diverted irrigated jointly with D21N/15E-11A1. Also received supplemental supply from D21N/15E-11J1.
D21N/15E-11E1	Genasci Louis	Smithneck Cr W Br	Irrig	448 acres by flooding*	Adjud	3.75 cfs	Sched 6^{E}	1868	Gravity, concrete dam 4 feet high 10 feet long with short earth ditch.	Former owners, A R & L Genasci. Area irrigated received supplemental supply from and amount diverted supplemented D21N/15E-11K1.
D21N/15E-11J1	Guidici A F & S	Smithneck Cr M Br	Irrig	270 acres by flooding*	Adjud	0.85 cfs	Sched 6^{E}	1868	Gravity, wood dam 4 feet high 16 feet long with short earth ditch.	Amount diverted also supplemented D21N/15E-11A1 & -11A2.
D21N/15E-11K1	Genasci Louis	Smithneck Cr W Br	Irrig	153 acres by flooding*	Adjud	0.24 cfs	Sched 6^{E}	1868	Gravity, concrete dam 4 feet high 10 feet long with short earth ditch.	Former owners, A R & L Genasci. Area irrigated received supplemental supply from D21N/15E-11E1 & -13C2. Amount diverted also supplemented D21N/15E-11E1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference°			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D21N/15E-12M1	Guidici A F & S	Smithneck Cr E Br	Irrig	113 acres by flooding*	Adjud	3.50 cfs	Sched 6^E	1868	Gravity, wood dam 5 feet high 6 feet long with short earth ditch.	
D21N/15E-12P1	Dory May M	Smithneck Cr E Br	Irrig	92 acres by flooding*	Adjud	0.45 cfs	Sched 6^E	1868	Gravity, wood dam 5 feet high 8 feet long with short earth ditch.	Former owner, Edna M Costanza. Area irrigated received supplemental supply from D21N/15E-13C1 & -13C2.
D21N/15E-13C1	Grandi Leo	Smithneck Cr	Irrig	20 acres by flooding*	Adjud	1.05 cfs	Sched 6^E	1868	Gravity, concrete dam 6 feet high 60 feet long with short earth ditches.	Former owner, Odo Grandi. Amount diverted also supplemented D21N/15E-12P1.
D21N/15E-13C2	Dory May M	Smithneck Cr W Br	Irrig	97 acres by flooding*	Adjud	0.45 cfs	Sched 6^E	1868	Gravity, wood dam 4 feet high 8 feet long with short earth ditch.	Amount diverted also supplemented D21N/15E-03C1, -10P1, -11K1, -12P1 & D22N/15E-34P1.
D21N/15E-13E1	Grandi Joseph O & Alma	Smithneck Cr UT	Irrig	52 acres by flooding*	Approp	1.5 cfs 12 AF	A-15761	1954	Gravity, earth dam 3 feet high 18 feet long	Former owners, Joe Grandi, Leo Grandi. Area irrigated receives supplemental supply from small tributary springs. Previously irrigated an additional 39 acres. Area was dry-farmed in 1963.
D21N/15E-13J1	Feather River Lmb Co	Smithneck Cr	Indust	Lumber Mill	Adjud	2.45 cfs 50 AF	Sched 6^E Para 55^E	1868	Storage & gravity, concrete dam 20 feet high 100 feet long.	Former owner, Clover Valley Lumber Co. Area served received supplemental supply from D21N/16E-19C1. Amount diverted also supplemented D21N/16E-19K2.
D21N/15E-16P1	Alles Sam	Antelope Cr	Irrig	*	Adjud	--	Para 68^E	1865	Gravity, short earth ditch.	Former owner, Cesare P Lombardi. Amount diverted irrigated jointly with D21N/15E-21P1 & -21D1.
D21N/15E-21D1	Alles Sam	Antalope Cr	Irrig	*	Adjud	--	Para 68^E	1865	Gravity, short earth ditch.	Former owner, Cesare P Lombardi. Amount diverted irrigated jointly with D21N/15E-16P1 & -21P1.
D21N/15E-21P1	Alles Sam	Antelope Cr	Irrig Stock	283 acres by flooding* --	Adjud Approp	4.0 cfs 126 AF	Para 68^E A-12900	1865	Storage & gravity, earth dam 25 feet high 1,000 feet long with short earth ditch.	Former owner, Cesare P Lombardi. Acreage reported irrigated jointly with D21N/15E-16P1 & -21D1.
D21N/16E-18A1	Dotta Buddy	Staverville Cr	Irrig	127 acres by flooding*	Adjud	1.15 cfs	Para 49^E	1870	Gravity, wood dam 3 feet high 12 feet long with short earth ditches.	Former owners, John Caccini, Janet Dotta. Previously irrigated an additional 6 acres. Area was dry-farmed in 1963.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference^a			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D21N/16E-19C1	Feather River Lbr Co	Smithneck Cr	Irrig	22 acres by flooding*	Adjud	2.45 cfs	Sched 6^E	1868	Gravity, concrete dam 5 feet high 25 feet long with short earth ditch.	Former owner, Clover Valley Lumber Co. Amount diverted also supplemented D21N/15E-13J1.
D21N/16E-19G1	Guidici B & A E	Smithneck Cr	Irrig Stock	86 acres by flooding* 100 head	Adjud	1.60 cfs	Sched 6^E	1873	Gravity, wood dam 4 feet high 30 feet long with short earth ditch.	Former owners, Lewis Bros, First National Bank of Nevada. Area irrigated received supplemental supply from D21N/16E-29D1. Amount diverted also supplemented D21N/16E-19K2.
D21N/16E-19K1	Amodei Frank	Smithneck Cr Sp Trib	Irrig	104 acres by flooding*	Adjud	0.60 cfs	Sched 6^E	1873	Gravity, earth ponds 4 feet high with short earth ditches.	Former owners, J S Rees, Lewis Bros. Acreage reported irrigated jointly with D21N/16E-19K2.
D21N/16E-19K2	Amodei Frank	Smithneck Cr	Irrig	*	Adjud	0.50 cfs	Sched 6^E	1868	Gravity, wood dam 4 feet high 20 feet long with short earth ditch.	Former owners, J S Rees, Lewis Bros. Amount diverted irrigated jointly with D21N/16E-19K1. Also received supplemental supply from D21N/15E-13J1 & D21N/16E-19G1.
D21N/16E-29D1	Lucky Land Co	Smithneck Cr	Irrig	396 acres by flooding*	Adjud	--	Sched 6^E	1873	Gravity, wood dam 6 feet high 8 feet long with short earth ditch.	Former owners, J S Rees, Lewis Bros. Acreage reported irrigated jointly with D21N/16E-29D2, -29E1, -29F1, -29R1 & -32P1. Also supplemented D21N/16E-19G1.
D21N/16E-29D2	Lucky Land Co	Smithneck Cr	Irrig	*	Adjud	2.75 cfs	Sched 6^E	1873	Gravity, concrete dam 4 feet high 18 feet long with short 24-inch pipe to earth ditch.	Former owner, C P Lombardi. Amount diverted irrigated jointly with D21N/16E-29D1, -29E1, -29F1, -29R1 & -32P1.
D21N/16E-29E1	Lucky Land Co	Smithneck Cr	Irrig	*	Adjud	--	Sched 6^E	1873	Gravity, concrete dam 4 feet high 25 feet long with short earth ditch.	Former owner, M C Laffranchini. Amount diverted irrigated jointly with D21N/16E-29D1, -29D2, -29F1, -29R1 & -32P1.
D21N/16E-29F1	Lucky Land Co	Smithneck Cr	Irrig	*	Adjud	0.70 cfs	Sched 6^E	1873	Gravity, earth & rock dam 5 feet high 20 feet long with short earth ditch.	Former owner, M C Laffranchini. Amount diverted irrigated jointly with D21N/16E-29D1, -29D2, -29E1, -29R1 & -32P1.
D21N/16E-29R1	Lucky Land Co	Smithneck Cr	Irrig	*	Adjud	--	Sched 6^E	1873	Gravity, rock dam 5 feet high 6 feet long with 0.1 mile of earth ditch.	Former owners, Clover Valley Lumber Co, Feather River Lumber Co. Amount diverted irrigated jointly with D21N/16E-29D1, -29D2, -29E1, -29F1 & -32P1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D21N/16E-32P1	Lucky Land Co	Beer Valley Cr	Irrig	*	Adjud	2.20 cfs	Sched 6[E]	1868	Gravity, rock dam 1 foot high 5 feet long with 0.5 mile of earth ditch.	Former owner, M C Laffranchini. Amount diverted irrigated jointly with D21N/16E-29D1, -29D2, -29E1, -29F1 & -29R1.
D22N/14E-36H1	Viscia A A	West Side Canal	Irrig	589 acres by flooding*	Adjud	2.0 cfs	Sched 7[E]	1873	Gravity, wood dam 4 feet high 8 feet long with short earth ditch.	Former owner, E F Ghidossi. Acreage reported irrigated jointly with D22N/15E-30L1. Also supplemented D22N/15E-30P1. Also received supplemental supply from D19N/15E-11P1 & D21N/14E-01C1.
D22N/15E-01N1	Huntley Bros	Feather R MF N Channel	Irrig	958 acres by flooding*	Adjud	4.85 cfs	Sched 4[E]	1870	Gravity, concrete dam 3 feet high 15 feet long with short earth ditch.	Former owner, Alonzo B Huntley. Acreage reported irrigated jointly with D22N/15E-12B1, -12C1, D22N/16E-07L1 & -07L2. Also received supplemental supply from D22N/15E-12K1, -12M1, D22N/16E-06K1, -06R1 & -07C1.
D22N/15E-02L1	Roberti Josephine	Feather R MF N Channel	Irrig	182 acres by flooding*	Adjud	2.0 cfs	Sched 4[E]	1871	Gravity, wood dam 3 feet high 12 feet long with short earth ditch.	Former owners, Wherity, C Dotta, F Roberti. Acreage reported irrigated jointly with D22N/15E-02N1 & -11C1. Also supplemented D22R/15E-03B1.
D22N/15E-02N1	Roberti Josephine	Feather R MF Channel	Irrig	*	Adjud	--	Sched 4[E]	1871	Gravity, concrete dam 5 feet high 35 feet long with short earth ditch.	Former owners, Wherity, C Dotta, F Roberti. Amount diverted irrigated jointly with D22N/15E-02L1 & -11C1.
D22N/15E-03B1	Ina Corp	Feather R MF Channel	Irrig	272 acres by flooding*	Adjud	2.60 cfs	Sched 4[E]	1874	Gravity, wood dam 5 feet high 16 feet long with short earth ditch.	Former owners, C D & L A Laffranchini. Area irrigated received supplemental supply from D22N/15E-05L1 & -11C1.
D22N/15E-06D1	Maddalena Louie	Feather R MF	Irrig	150 acres by flooding*	Adjud	0.45 cfs	Sched 5[E]	1874	Gravity, small earth dams with natural flooding.	Area irrigated received supplemental supply from & amount diverted also supplemented D23R/14E-36N1.
D22N/15E-11C1	Roberti Josephine	Feather R MF Channel	Irrig	*	Adjud	--	Sched 4[E]	1871	Gravity, wood dam 3 feet high 12 feet long with short earth ditch.	Former owners, Wherity, C Dotta, F Roberti. Amount diverted irrigated jointly with D22N/15E-02L1 & -02N1. Also supplemented D22N/15E-03B1.
D22N/15E-11K1	Roberti Josephine	Feather R MF Channel	Irrig	645 acres by flooding*	Adjud	--	Sched 4[E]	1871	Gravity, wood dam 4 feet high 20 feet long with short earth ditch.	Former owners, Wherity, C Dotta, F Roberti. Acreage reported irrigated jointly with D22N/15E-12M1. Also received supplemental supply from D22N/15E-12K1.

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TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

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			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D22R/15E-12B1	Runtley Bros	Feather R MF Channel	Irrig	*	Adjud	--	Sched 4^{E}	1870	Gravity, concrete dam 3 feet high 30 feet long with short earth ditch.	Former owner, Alonzo B Huntley. Amount diverted irrigated jointly with D22N/15E-01N1, -12C1, D22N/16E-07L1 & -07L2. Also received supplemental supply from D22N/15E-12K1, -12M1, D22N/16E-06K1, -06R1 & -07C1.
D22R/15E-12C1	Huntley Bros	Feather R MF Channel	Irrig	*	Adjud	--	Sched 4^{E}	1870	Gravity, concrete dam 4 feet high 40 feet long with short earth ditches.	Former owner, Alonzo B Huntley. Amount diverted irrigated jointly with D22N/15E-01N1, -12B1, D22N/15E-07L1 & -07L2. Also received supplemental supply from D22N/15E-12K1, -12M1, D22N/16E-06K1, -06R1 & -07C1.
D22N/15E-12K1	Pitchfork Cattle Co	Diceo Sl	Irrig	763 acres by flooding*	Adjud	3.60 cfs	Sched 4^{E}	1871	Gravity, wood dam 3 feet high 20 feet long with short earth ditches.	Former owner, M B Humphrey. Area irrigated received supplemental supply from D22N/16E-07L2. Amount diverted also supplemented D22N/15E-01N1, -11K1, -12B1, -12C1, -12M1, -27D1, D22N/16E-07L1 & -07L2.
D22N/15E-12M1	Roberti Josephioe	Feather R MF Channel	Irrig	*	Adjud	3.90 cfs	Sched 4^{E}	1871	Gravity, wood & earth dam 3 feet high 20 feet long with short earth ditches.	Former owners, Wherity, C Dotta, F Roberti. Amount diverted irrigated jointly with D22N/15E-11K1. Also supplemented D22N/15E-01N1, -12B1, -12C1, D22N/16E-07L1 & -07L2. Also received supplemental supply from D22N/15E-12K1.
D22N/15E-19Q1	Terhel Farms Inc	West Side Canal	Irrig	200 acres by flooding*	Adjud	2.20 cfs	Sched 7^{E}	1873	Gravity, small earth dam with 10 feet of 24-inch pipe to earth ditch.	Former owner, F E Humphrey Jr. Area irrigated received supplemental supply from D19N/15E-11P1 & D22N/15E-20E1. Amount diverted supplemented D22N/15E-20E1 & -30K1.
D22N/15E-20D1	Carmichael Francis	Feather R MF UT	Irrig	132 acres by flooding*	Adjud Approp*	10.50 cfs 12 AF	Sched 10^{E} A-15625	1873	Gravity, earth dam 4 feet high 2,000 feet long with short earth ditches.	Former owners, J L Humphrey, Frank Carmichael. Area irrigated received supplemental supply from D19N/15E-11P1. Amount diverted also supplemented D22R/15E-20E1 & -28D1. Diversion dam also serves D22N/15E-20E1. Water right Application No. 15625 in name of John & Virginia Wiley. Previously irrigated an additional 85 acres. Area was idle in 1963.

* See remarks

-- Information not available

For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D22N/15E-20E1	Carmichael Francis	Feather R MF UT	Irrig	1,911 acres by flooding*	Adjud	0.80 cfs	Sched 10[E]	1873	Gravity, earth dam 4 feet high 2,000 feet long with short earth ditches.	Former owners, J L Humphrey, Frank Carmichael. Area irrigated received supplemental supply from D19N/15E-11F1, D22N/15E-19Q1 & -20D1. Amount diverted also supplemented D22N/15E-19Q1. Diversion dam also serves D22N/15E-20D1.
D22N/15E-24K1	Ina Corp	Last Chance Cr UT	Irrig	204 acres by flooding*	Approp*	3.0 cfs	A-11585	1946	Gravity, small earth dam with short earth ditch.	Area irrigated received supplemental supply from wells. Amount diverted supplemented D22N/16E-18N1. Water right in name of Lucky Hereford Ranch.
D22N/15E-27D1	Nichols Mrs A Ede Raymond C	Smithneck Cr E Br	Irrig	45 acres by flooding*	Adjud	3.70 cfs	Sched 6[E]	1876	Gravity, wood dam 4 feet high 12 feet long with short earth ditch.	Former owners, Antone E Dotta, Edna F Dotta, The Federal Land Bank of Berkeley, Charles W Ede. Area irrigated received supplemental supply from D22N/15E-12K1. Amount diverted also supplemented D22N/15E-27P1 & -28F1.
D22N/15E-27P1	Nichols Mrs A	Smithneck Cr W Br	Irrig	439 acres by flooding*	Adjud	3.0 cfs	Sched 6[E]	1870	Gravity, wood dam 6 feet high 15 feet long with short earth ditch.	Former owners, M B Humphrey, Antone E Dotta, E F Dotta, R B Richols, The Federal Land Bank of Berkeley. Area irrigated received supplemental supply from D22N/15E-27D1.
D22N/15E-28D1	Bradley Francis A Ede Cristina	Smithneck Cr	Irrig	392 acres by flooding*	Adjud	2.40 cfs	Sched 6[E]	1874	Gravity, natural flooding.	Former owners, Antone E Dotta, Albert E & Rena Ede, N S Nichols. Area irrigated received supplemental supply from D22N/15E-20D1.
D22N/15E-28F1	Ede Christina	Smithneck Cr E Br	Irrig	235 acres by flooding*	Adjud	4.0 cfs	Sched 6[E]	1873	Gravity, wood dam 4 feet high 40 feet long with short earth ditch.	Former owners, M B Numphrey, R S Nichols, Charles W Ede. Area irrigated received supplemental supply from D22N/15E-27D1. Amount diverted supplemented D21N/14E-13M2.
D22N/15E-30K1	Terhel Farms Inc	West Side Canal	Irrig	405 acres by flooding*	Adjud	3.0 cfs	Sched 7[E]	1875	Gravity, small wood dam with natural flooding.	Former owner, E F Ghidossi. Area irrigated received supplemental supply from D19N/15E-11P1 & D22N/15E-19Q1.
D22N/15E-30L1	Viscia A A	West Side Canal	Irrig	*	Adjud	1.40 cfs	Sched 7[E]	1872	Gravity, wood dam 3 feet high 5 feet long with short earth ditch.	Former owner, E F Ghidossi. Amount diverted irrigated jointly with D22N/14E-36H1. Also received supplemental supply from D19N/15E-11P1 & D21N/14E-01C1.

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D22N/15E-30P1	Viscia A A	West Side Canal	Irrig	265 acres by flooding*	Adjud	--	Sched 7[E]	1875	Gravity, wood dam 2 feet high 5 feet long with short earth ditch.	Former owner, E F Ghidossi. Area irrigated received supplemental supply from D22N/14E-36H1.
D22N/15E-34P1	Ramelli A O Nichols Mrs A	Smithneck Cr W Br	Irrig	699 acres by flooding*	Adjud	2.20 cfs	Sched 6[E]	1870	Gravity, concrete 6 feet high 15 feet long with short earth ditch.	Former owners, The Federal Land Bank of Berkeley, R S Nichols. Area irrigated received supplemental supply from D21N/14E-13M2, D21N/15E-03C1 & -13C2. Amount diverted also supplemented D21N/14E-13M2 & D22N/15E-27P1.
D22N/15E-34R1	Ina Corp	Smithneck Cr M Br	Irrig	756 acres by flooding*	Adjud	--	Sched 6[E]	1870	Gravity, wood dam medium height 30 feet long with short earth ditch.	Former owner, Albert C & Caesar Dotta. Area irrigated received supplemental supply from D21N/15E-02E1, -02Q1 & D22N/16E-18N1.
D22N/15E-35G1	Sierra Valley Cattle Co	Smithneck Cr E Br	Irrig	663 acres by flooding*	Adjud	--	Sched 6[E]	1874	Gravity, wood dam 4 feet high 25 feet long with short earth ditches.	Former owner, Albert C & Caesar Dotta. Acreage reported irrigated jointly with D22N/15E-35R1. Also received supplemental supply from D21N/15E-02H1, -02J1 & wells.
D22N/15E-35R1	Sierra Valley Cattle Co	Smithneck Cr E Br	Irrig	*	Adjud	3.40 cfs	Sched 6[E]	1874	Gravity, wood dam 4 feet high 16 feet long with short earth ditch.	Former owner, Albert C & Caesar Dotta. Amount diverted irrigated jointly with D22N/15E-35G1. Also received supplemental supply from D21N/15E-02H1, -02J1 & wells.
D22N/16E-05A1	Ryan J J	Feather R MF	Irrig	460 acres by flooding*	Adjud	2.35 cfs	Sched 4[E]	1870	Gravity, concrete dam 4 feet high 20 feet long with short earth ditch.	Former owners, Annetta Solari, D M & G S Scott. Acreage reported irrigated jointly with D22N/16E-05B1, -05C1, -05D1 & D23N/16E-32P1.
D22N/16E-05B1	Ryan J J	Feather R MF	Irrig	*	Adjud	--	Sched 4[E]	1870	Gravity, concrete dam 3 feet high 22 feet long with short earth ditch.	Former owners, Annetta Solari, D M & G S Scott. Amount diverted irrigated jointly with D22N/16E-05A1, -05C1, -05D1 & D23N/16E-32P1.
D22N/16E-05C1	Ryan J J	Feather R MF	Irrig	*	Adjud	--	Sched 4[E]	1870	Gravity, concrete dam 5 feet high 25 feet long with short earth ditch.	Former owners, Annetta Solari, D M & G S Scott. Amount diverted irrigated jointly with D22N/16E-05A1, -05B1, -05D1 & D23N/16E-32P1.

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D22N/16E-05D1	Ryan J J	Feather R MF	Irrig	*	Adjud	1.65 cfs	Sched 4[E]	1873	Gravity, concrete dam 5 feet high 40 feet long with short earth ditches.	Former owners, Annetta Solari, D M & G S Scott. Amount diverted irrigated jointly with D22N/16E-05A1, -05B1, -05C1 & D23N/16E-32P1.
D22N/16E-06J1	Vinton Land & Cattle Co	Feather R MF	Irrig	1,077 acres by flooding*	Adjud	3.80 cfs	Sched 4[E]	1870	Gravity, concrete dam 4 feet high 30 feet long with short earth ditches.	Former owner, C D & M C Laffranchini. Acreage reported irrigated jointly with D22N/16E-06K1, -06R1 & -07C1.
D22N/16E-06K1	Vinton Land & Cattle Co	Feather R MF	Irrig	*	Adjud	1.80 cfs	Sched 4[E]	1870	Gravity, concrete dam 8 feet high 50 feet long with short earth ditches.	Former owners, C D & M C Laffranchini. Amount diverted irrigated jointly with D22N/16E-06J1, -06R1 & -07C1. Also supplemented D22N/15E-01N1, -12B1, -12C1, D22N/16E-07L1 & -07L2.
D22N/16E-06R1	Vinton Land & Cattle Co	Feather R MF E Channel	Irrig	*	Adjud	--	Sched 4[E]	1870	Gravity, wood dam 4 feet high 15 feet long with short earth ditch.	Former owner, C D & M C Laffranchini. Amount diverted irrigated jointly with D22N/16E-06J1, -06K1 & 07C1. Also supplemented D22N/15E-01N1, -12B1, -12C1, D22N/16E-07L1 & -07L2.
D22N/16E-07C1	Vinton Land & Cattle Co	Feather R MF E Channel	Irrig	*	Adjud	--	Sched 4[E]	1870	Gravity, concrete dam 3 feet high 15 feet long with short earth ditch.	Former owner, C D & M C Laffranchini. Amount diverted irrigated jointly with D22N/16E-06J1, -06K1 & -06R1. Also supplemented D22N/15E-01N1, -12B1, -12C1, D22N/16E-07L1 & -07L2.
D22N/16E-07L1	Huntley Bros	Morris Sl Channel	Irrig	*	Adjud	3.65 cfs	Sched 4[E]	1870	Gravity, concrete dam 3 feet high 25 feet long with short earth ditches.	Former owners, Alonzo B Huntley, Jennie F Huntley. Amount diverted irrigated jointly with D22N/15E-01N1, -12B1, -12C1 & D22N/16E-07L2. Also received supplemental supply from D22N/15E-12K1, -12M1, D22N/16E-06K1, -06R1 & -07C1.
D22N/16E-07L2	Huntley Bros	Morris Sl Channel	Irrig	*	Adjud	--	Sched 4[E]	1870	Gravity, earth dam 3 feet high 30 feet long with short earth ditch.	Former owners, Alonzo B Huntley, Jennie F Huntley. Amount diverted irrigated jointly with D22N/15E-01M1, -12B1, -12C1 & D22N/16E-07L1. Also supplemented D22N/15E-12K1. Also received supplemental supply from D22N/15E-12K1, -12M1, D22N/16E-06K1, -06R1 & -07C1.

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
SIERRA VALLEY SUBUNIT (Continued)										
MDB&M										
D22N/16E-18N1	Ina Corp	Morris Sl Channel	Irrig	493 acres by flooding*	Adjud	2.95 cfs	Sched 4[E]	1870	Gravity, small earth & rock dam with natural channel & flooding.	Former owners, M B Humphrey, B E & R E Giudici. Area irrigated received supplemental supply from D22N/15E-24K1 & wells. Amount diverted also supplemented D22N/15E-34 R1. Previously irrigated an additional 40 acres. Area was idle in 1963.
D23N/14E-11P1	Carmichael Doris	Feather R MF Sp Trib	Irrig Stock Domestic	980 acres by flooding* 50 head[B]	Adjud	5.0 cfs	Para 73[E]	1872	Gravity, concrete dam 6 feet high 15 feet long with short earth ditch.	Former owner, Frank Carmichael. Acreage reported irrigated jointly with D23N/15E-18L1.
D23N/14E-35G1	Folchi Raymond	Feather R MF	Irrig	204 acres by flooding*	Adjud	1.45 cfs	Sched 10[E]	1874	Gravity, concrete dam 6 feet high 500 feet long with natural spreading.	Former owner, Giacomo Folchi.
D23N/14E-36N1	Westover Co	Feather R MF	Irrig	332 acres by flooding*	Adjud	4.50 cfs	Sched 10[E]	1874	Gravity, earth & rock dam 5 feet high 2,000 feet long with natural flooding.	Former owners, Hammonton, Bulson. Area irrigated received supplemental supply from 019N/15E-11P1 & D22N/15E-06D1. Amount diverted also supplemented D22N/15E-06D1.
D23N/15E-13K1	Laffranchini Louis A	Laffranchini Cr W	Irrig	459 acres by flooding	Adjud	3.20 cfs	Para 37[E]	1873	Gravity, small earth & rock dam with 1.0 mile of earth ditch.	Former owner, John Trosi. Previously irrigated an additional 344 acres. Area was dry-farmed in 1963.
D23N/15E-16N1	Bonta S A & J A	Bonta Cr	Irrig	*	Adjud	3.15 cfs	Para 32[E]	1875	Gravity, small earth & gravel dam with short earth ditches.	Former owners, Moffet, Bulson, Sam Bonta. Previously irrigated 547 acres jointly with D23N/15E-16Q1. Area was dry-farmed in 1963.
D23N/15E-16Q1	Bonta S A & J A	Bonta East Cr	Irrig Stock	* 30 head	Adjud	0.37 cfs	Para 33[E]	1876	Gravity, small earth dam with natural channel & flooding.	Former owners, Moffet, Bulson, Sam Bonta. Amount diverted previously irrigated jointly with D23N/15E-16N1.
D23N/15E-18L1	Carmichael Doris	Feather R MF UT	Irrig	*	Adjud	--	Para 73[E]	1872	Gravity, small earth dam with short earth ditch.	Former owner, Frank Carmichael. Amount diverted irrigated jointly with D23N/14E-11P1.
D23N/15E-22L1	Welch Carl S	Bonta East Cr	Irrig	*	Adjud	0.47 cfs	Para 36[E]	1874	Gravity, small earth dam with short 12-inch pipe & earth ditch.	Former owner, L D Maddalena. Previously irrigated 231 acres. Area was dry-farmed in 1963.

* See remarks
— Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

SIERRA VALLEY SUBUNIT (Continued)

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
MDB&M										
D23N/15E-29B1	Maddalena Guido & Nelen	Bonta Cr	Irrig	*	Adjud	0.52 cfs	Para 34^{E}	1886	Gravity, two 20-inch culvert pipes to short earth ditches.	Former owner, A D Maddalena. Previously irrigated 63 acres. Area was dry-farmed in 1963.
D23N/15E-31P1	Maddalena Louie	Feather R MF	Irrig	176 acres by flooding*	Adjud	--	Sched 5^{E}	1875	Gravity, small earth dam with natural spreading.	Acreage reported irrigated jointly with D23N/15E-31P2.
D23N/15E-31P2	Maddalena Louie	Feather R MF	Irrig	*	Adjud	0.50 cfs	Sched 5^{E}	1875	Gravity, small earth dam with natural spreading.	Amount diverted irrigated jointly with D23N/15E-31P1.
D23N/15E-32J1	Ina Corp	Feather R MF	Irrig	262 acres by flooding*	Adjud	--	Sched 5^{E}	1872	Gravity, wood dam 3 feet high 8 feet long with short earth ditch.	Former owners, C D & L A Laffranchini. Acreage reported irrigated jointly with D23N/15E-32K1.
D23N/15E-32K1	Ina Corp	Feather R MF	Irrig	*	Adjud	0.60 cfs	Sched 5^{E}	1872	Gravity, wood dam 3 feet high 4 feet long with short earth ditch.	Former owners, C D & L A Laffranchioi. Amount diverted irrigated jointly with D23N/15E-32J1.
D23N/15E-33H1	Bonta S A & J A	Feather R MF	Irrig	434 acres by flooding*	Adjud	--	Sched 5^{E}	1870	Gravity, concrete dam 5 feet high 20 feet long with short earth ditches.	Former owner, Ede. Acreage reported irrigated jointly with D23N/15E-34P1.
D23R/15E-34P1	Bonta S A & J A	Feather R MF	Irrig	*	Adjud	1.85 cfs	Sched 5^{E}	1870	Gravity, concrete dam 6 feet high 30 feet long with short earth ditches.	Former owner, Ede. Amount diverted irrigated jointly with D23N/15E-33N1.
D23N/16E-07Q1	Trosi C A Dromiack A L	Trosi Canyon Cr	Irrig Erosion Control	206 acres by flooding* --	Adjud	2.25 cfs	Para 38^{E}	1867	Gravity, small earth & rock dam with 1.2 miles of earth ditch.	Former owners, Winchell, C A Trosi, E N Golden. Acreage reported irrigated jointly with D23N/16E-08P2. Previously irrigated an additional 317 acres. Area was dry-farmed in 1963.
D23R/16E-08P2	Trosi C A Dromiack A L	Trosi Canyon Cr	Irrig	*	Adjud	--	Para 38^{E}	1867	Gravity, small earth & rock dam with 0.3 mile of earth ditch.	Former owners, Winchell, C A Troei, E R Golden. Amount diverted irrigated jointly with D23N/16E-07Q1.
D23N/16E-10B1	Guidici Fred, Myrtle & Donald W	Last Chance Cr Little	Irrig Stock	400 acres by flooding* --	Adjud	4.80 cfs	Sched 4^{E}	1858	Gravity, concrete dam 6 feet high 12 feet long with 2.0 miles of earth ditch.	Former owners, Claude Seltier, Bergeret, Alex Guidici. Acreage reported irrigated jointly with D23N/16E-11K1 & -11Q1.

* See remarks
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For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro- priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D23N/16E-11K1	Guidici Donald W & Doris M	Last Chance Cr Little UT	Irrig	*	Riparian	--	--	1858	Gravity, culvert pipe to earth ditch from D23N/16E-10B1.	Former owners, Claude Seltier, Bergeret, Alex Guidici. Amount diverted irrigated jointly with D23N/16E-10B1 & -11Q1.
D23N/16E-11Q1	Guidici Fred, Myrtle & Donald W	Last Chance Cr Little	Irrig	*	Adjud	1.55 cfs	Sched 4[E]	1858	Gravity, small earth dam with 0.6 mile of earth ditch.	Former owners, Adams, Benjamin Bobo, Alex Guidici. Amount diverted irrigated jointly with D23N/16E-10B1 & -11K1.
D23N/16E-23C1	Guidici Donald W & Doris M	Last Chance Cr Little	Irrig Stock	167 acres by flooding* --	Adjud	3.0 cfs	Sched 4[E]	1858	Gravity, concrete dam 8 feet high 40 feet long with short earth ditch.	Former owners, Claude Seltier, Bergeret, Alex Guidici. Amount diverted also supplemented D23N/16E-27A1, -27A2 & -27B2.
D23N/16E-23L1	Pitchfork Cattle Co	Last Chance Cr Little	Irrig Stock	151 acres by flooding* --	Adjud	3.0 cfs	Sched 4[E]	1860	Gravity, concrete dam 6 feet high 20 feet long with short earth ditch.	Former owners, Walter Ede, George Cunningham, Guy Sobrio, M B Humphrey. Acreage reported irrigated jointly with D23N/16E-23N1. Previously irrigated an additional 54 acres. Area was dry-farmed in 1963.
D23N/16E-23N1	Pitchfork Cattle Co	Last Chance Cr Little	Irrig Stock	* --	Adjud	--	Sched 4[E]	1860	Gravity, concrete dam 5 feet high 20 feet long with short earth ditch.	Former owners, Walter Ede, M B Humphrey, Joe Dyson, Mathews Estate. Amount diverted irrigated jointly with D23N/16E-23L1.
D23N/16E-27A1	Trosi C A Dromiack A L	Feather H MF	Irrig	113 acres by flooding*	Adjud	1.85 cfs	Sched 4[E]	1867	Gravity, concrete dam 4 feet high 10 feet long with short earth ditch.	Former owners, Winchell, C A Trosi, E H Golden. Acreage reported irrigated jointly with D23N/16E-27A2 & -27B1. Also received supplemental supply from D23N/16E-23C1.
D23N/16E-27A2	Trosi C A Dromiack A L	Feather R MF	Irrig	*	Adjud	--	Sched 4[E]	1867	Gravity, concrete dam 4 feet high 10 feet long with short earth ditches.	Former owners, Winchell, C A Trosi, E B Golden. Amount diverted irrigated jointly with D23N/16E-27A1 & -27B1. Also received supplemental supply from D23N/16E-23C1.
D23N/16E-27B1	Trosi C A Dromiack A L	Feather R MF	Irrig	*	Adjud	--	Sched 4[E]	1867	Gravity, concrete Parshall Flume with short earth ditch.	Former owners, Winchell, C A Trosi, E H Golden. Amount diverted irrigated jointly with D23N/16E-27A1 & -27A2. Also supplemented D23N/16E-27E1 & -28J1. Also received supplemental supply from D23N/16E-23C1.

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D23N/16E-27E1	Dotta Frank V	Feather R MF	Irrig Stock	398 acres by flooding* 175 head	Adjud	4.40 cfs	Sched 4^E	1870	Gravity, concrete dam 4 feet high 10 feet long with short earth ditches.	Former owner, Dotta family. Acreage reported irrigated jointly with D23N/16E-28J1. Also received supplemental supply from D23N/16E-27B1.
D23N/16E-27H1	Pitchfork Cattle Co	Last Chance Cr Little	Irrig Stock	466 acres by flooding* --	Adjud	5.85 cfs	Sched 4^E	1865	Gravity, concrete dam 6 feet high 25 feet* long with short earth ditches.	Former owners, Walter Ede, George Cunningham, Guy Sobrio, M B Humphrey. Acreage reported irrigated jointly with D23N/16E-27H2. Amount diverted also supplemented D23N/16E-28R1, -33K1 & -33N1. Diversion dam also serves D23N/16E-27H2.
D23N/16E-27H2	Pitchfork Cattle Co	Last Chance Cr Little	Irrig Stock	* *	Adjud	2.35 cfs	Sched 4^E	1865	Gravity, concrete dam 6 feet high 25 feet long with short earth ditches.*	Former owners, Walter Ede, George Cunningham, Guy Sobrio, M B Humphrey. Amount diverted irrigated jointly with D23N/16E-27H1. Also supplemented D23N/16E-28R1, -33K1 & -33N1. Diversion dam also serves D23N/16E-27H1.
D23N/16E-28J1	Dotta Frank V	Feather R MF	Irrig Stock	* *	Adjud	--	Sched 4^E	1870	Gravity, concrete dam 4 feet high 12 feet long with short earth ditches.	Former owner, Dotta family. Amount diverted irrigated jointly with D23N/16E-27E1. Also supplemented D23N/16E-28R1, -32A1 & -33C1. Also received supplemental supply from D23N/16E-27B1.
D23N/16E-28R1	Ramelli Theodore W	Feather R MF	Irrig Stock	136 acres by flooding* --	Adjud	1.30 cfs	Sched 4^E	1860	Gravity, concrete dam 4 feet high 12 feet long with short earth ditches.	Former owners, Bingham, Dotta, Trosi, Ramelli. Area irrigated received supplemental supply from D23N/16E-27R1 & -28J1.
D23N/16E-32A1	Ryan J J	Feather R MF N Channel	Irrig	759 acres by flooding*	Adjud	2.75 cfs	Sched 4^E	1870	Gravity, concrete dam 4 feet high 40 feet long with short earth ditches.	Former owners, Wilsey, P E Ede. Acreage reported irrigated jointly with D23N/16E-33C1. Also received supplemental supply from D23N/16E-28J1.
D23N/16E-32K1	Ryan J J	Feather R MF N Channel	Irrig	900 acres by flooding*	Adjud	3.15 cfs	Sched 4^E	1865	Gravity, concrete dam 4 feet high 30 feet long with short earth ditch.	Former owner, E J Goble. Acreage reported irrigated jointly with D23N/16E-32K2. Also received supplemental supply from D23N/16E-32P1.
D23N/16E-32K2	Ryan J J	Feather R MF N Channel	Irrig	*	Adjud	--	Sched 4^E	1865	Gravity, wood dam 4 feet high 10 feet long with short earth ditch.	Former owner, E J Goble. Amount diverted irrigated jointly with D23N/16E-32K1. Also received supplemental supply from D23N/16E-32P1.

* See remarks
— Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D23N/16E-32P1	Ryan J J	Feather R MF N Channel	Irrig	*	Adjud	1.65 cfs	Sched 4[E]	1873	Gravity, wood dam 3 feet high 12 feet long with short earth ditch.	Former owner, E J Goble. Amount diverted irrigated jointly with D22N/16E-05A1, -05B1, -05C1 & -05D1. Also supplemented D23N/16E-32K1 & -32K2.
D23N/16E-33C1	Ryan J J	Feather R MF N Channel	Irrig	*	Adjud	2.75 cfs	Sched 4[E]	1870	Gravity, concrete dam 4 feet high 12 feet long with short earth ditches.	Former owners, Wilsey, F E Ede. Amount diverted irrigated jointly with D23N/16E-32A1. Also received supplemental supply from D23N/16E-28J1.
D23N/16E-33K1	Ayoob George	Feather R MF	Irrig Stock	424 acres by flooding*	Adjud	2.35 cfs	Sched 4[E]	1867	Gravity, concrete dam 5 feet high 12 feet long with short earth ditches.	Former owners, Spoons, A Defanti, Alessio Ramelli. Acreage reported irrigated jointly with D23N/16E-33N1. Also received supplemental supply from D23N/16E-27H1 & -34D1.
D23N/16E-33N1	Ayoob George	Feather R MF	Irrig	*	Adjud	--	Sched 4[E]	1867	Gravity, concrete dam 5 feet high 25 feet long with short earth ditches.	Former owners, Spoons, A Defanti, Alessio Ramelli. Amount diverted irrigated jointly with D23N/16E-33K1. Also received supplemental supply from D23N/16E-27H1 & -34D1.
D23N/16E-34D1	Ramelli Theodore W	Feather R MF	Irrig	184 acres by flooding*	Adjud	1.15 cfs	Sched 4[E]	1860	Gravity, concrete dam 5 feet high 25 feet long with short earth ditches.	Former owners, Bingham, Dotta, Trosi, Ramelli. Area irrigated received supplemental supply from D23N/16E-33K1 & -33N1.
D24N/16E-25N1	Guidici Fred, Myrtle & Donald W	Spring Cr	Irrig Stock	38 acres by flooding --	Adjud	1.30 cfs	Sched 3[E]	1860	Gravity, small earth dam with 0.6 mile of earth ditch.	Former owners, Peter Robertini, Felipo Guidici, Alex Guidici.
D24N/16E-30A1	Dotta Frank V	Last Chance Cr Little Sp Trib	Irrig	17 acres by flooding	Riparian	--	--	1880	Gravity, short earth ditches.	
D24N/16E-31B1	Dotta Frank V	Frenchman Cr Sp Trib	Irrig	81 acres by flooding	Adjud	--	Sched 3[E]	1880	Gravity, short earth ditches.	
D24N/16E-33B1	Frenchman Reservoir Calif Dept Wtr Res	Last Chance Cr Little	Irrig Stock Flood Control Recr	* -- -- Fishing	Approp Approp	30,000 AF 20,000 AF	A-16952 A-18844	1962	Storage & gravity, earth dam 128 feet high 720 feet long with natural earth ditch. Storage capacity, 51,000 AF.	Amount diverted is served by Last Chance Creek Water District and supplements adjudicated diversions within District.

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference^a			
				SIERRA VALLEY SUBUNIT (Continued)						
MDB&M										
D24N/16E-35M1	Guidici Fred, Myrtle & Donald W	Spring Cr	Irrig Stock	63 acres by flooding	Adjud	--	Sched 3^E	1860	Gravity, small earth dam with short earth ditch.	Former owners, Peter Robertioi, Felipo Guidici, Alex Guidici.
D25N/15E-13F1	Rowland Eugene A	Rowland Cr	Irrig Erosion Control	231 acres by flooding* --	Adjud	2.30 cfs	Sched 3^E	1880	Gravity, small earth & rock dam with 0.3 mile of earth ditch.	Former owners, C C & Ida May Rowland. Acreage reported irrigated jointly with D25N/15E-13R1.
D25N/15E-13F2	Rowland Eugene A	Rowland Cr	Irrig Erosion Control	71 acres by flooding --	Adjud	--	Sched 3^E	1880	Gravity, small earth & rock dam with 0.3 mile of earth ditch.	Former owners, C C & Ida May Rowland.
D25N/15E-13R1	Rowland Eugene A	Last Chance Cr Little UT	Irrig	*	Adjud	0.70 cfs	Sched 3^E	1880	Gravity, small earth dam with 0.1 mile of earth ditch.	Former owners, C C & Ida May Rowland. Amount diverted irrigated jointly with D25N/15E-13F1.
D25N/16E-19K1	Ayoob George	Last Chance Cr Little	Irrig	15 acres by flooding	Adjud	1.90 cfs	Sched 3^E	1880	Gravity, concrete dam 4 feet high 8 feet long with short earth ditch.	Former owners, Spoons, A Defanti, Alessio Ramelli.
D25N/16E-20R1	Hall Marietta Hall Phillip S	Last Chance Cr Little UT	Irrig	17 acres by flooding*	Riparian	--	--	1880	Gravity, earth & rock dam 10 feet high 60 feet long with short earth ditch.	Former owners, McDermott, Angelo Trosi, L G Stiles. Acreage reported irrigated jointly with D25N/16E-29A1 & -29B1.
D25N/16E-28G1	Hall Marietta Hall Phillip S	Last Chance Cr Little UT	Irrig	20 acres by flooding*	Riparian	--	--	1880	Gravity, short earth ditch.	Former owners, McDermott, Angelo Trosi, L G Stiles. Acreage reported irrigated jointly with D25N/16E-28H1.
D25N/16E-28H1	Hall Marietta Hall Phillip S	Last Chance Cr Little UT	Irrig	*	Riparian	--	--	1880	Gravity, short earth ditch.	Former owners, McDermott, Angelo Trosi, L G Stiles. Amount diverted irrigated jointly with D25N/16E-28G1.
D25N/16E-29A1	Hall Marietta Hall Phillip S	Last Chance Cr Little UT	Irrig	*	Riparian	--	--	1880	Gravity, earth & rock dam 6 feet high 30 feet long with short earth ditch.	Former owners, McDermott, Angelo Trosi, L G Stiles. Amount diverted irrigated jointly with D25N/16E-20R1 & -29B1.
D25N/16E-29B1	Hall Marietta Hall Phillip S	Last Chance Cr Little UT	Irrig	*	Riparian	--	--	1880	Gravity, earth dam 5 feet high 60 feet long with short earth ditch.	Former owners, McDermott, Angelo Trosi, L G Stiles. Amount diverted irrigated jointly with D25N/16E-20R1 & -29A1.
D25N/16E-29D1	Hall Marietta Hall Phillip S	Last Chance Cr Little	Irrig	15 acres by flooding*	Adjud	0.25 cfs	Sched 3^E	1880	Gravity, small earth & rock dam with short earth ditch.	Former owners, McDermott, Angelo Trosi, L G Stiles. Area irrigated received supplemental supply from & also supplemented D25N/16E-30C1.

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
SIERRA VALLEY SUBUNIT (Continued)										
MDB&M										
D25N/16E-29G1	Hall Marietta Hall Phillip S	Last Chance Cr Little UT	Irrig	8 acres by flooding	Riparian	--	--	1880	Gravity, small earth dam with short earth ditches.	Former owners, McDermott, Angelo Trosi, L G Stiles.
D25N/16E-30C1	Ayoob George	Ramelli Cr	Irrig	152 acres by flooding*	Adjud	--	Sched 3[E]	1880	Gravity, small earth & rock dam with short earth ditch.	Former owners, Spoons, A Defanti, Alessio Ramelli. Area irrigated received supplemental supply from & also supplemented D25N/16E-29D1.
D25N/16E-31L1	Ayoob George	Lookout Cr Sp Trib	Irrig Domestic	8 acres by flooding --	Riparian	--	--	1865	Gravity, short 2-inch pipe & earth ditch.	Former owners, Spoons, A Defanti, Alessio Ramelli.
SOUTH FORK SUBUNIT										
D19N/06E-06F1	Palermo Canal Oroville-Wyandotte I D	Feather R SF	Irrig Domestic Indust Stock Recr	5,080 acres* 2,300 connections* Olive Processing* * Fishing*	Approp	--	--	1911	Gravity, concrete dam with 17.0 miles of earth ditch.	Former owner, Palermo Land & Water Co. Acreage reported irrigated is all lands served by Oroville-Wyandotte Irrigation District System, but excludes land served by individual diversions which are supplemented by purchased water from the District. Previously irrigated an additional 16 acres. Area was idle or fallow in 1963.
D19N/07E-09F1	Georgia-Pacific Corp	Feather R SF Sp Trib	Domestic	28 connections	Riparian	--	--	1850	Gravity, small earth dam with 2,000 feet of 4-inch steel pipe.	Amount diverted serves Oroville-Wyandotte I D jointly with D20N/07E-24K1. Former owner, Falk Estate.
D20N/06E-24Q1	Williams Patrick M & Nancy	Sucker Run UT	Irrig	13 acres by sprinkler	B	--	--	1955	Gravity, earth dam 4 feet high 40 feet long with short 4-inch pipe.	Former owners, Johnson, Jenkins.
D20N/07E-17D1	Mooretown Ditch Feather River Pine Mills et-al	Sucker Run Cr	Irrig Domestic	10 acres by flooding --	Approp		A-7864	1858	Gravity, wooden box with 4.8 miles of earth ditch.	Former owner, Hutchinson Lumber Co.
D20N/07E-24K1	Lost Creek Dam Oroville-Wyandotte I D	Lost Cr	*	*	Approp Approp Approp Approp Approp Approp Approp	--	-- A-2142 A-2778 A-2979 A-13676 A-14112 A-14113	1908	Gravity & storage, concrete dam 111 feet high 440 feet long with 30.0 miles of conduit to Lake Wyandotte. Storage capacity, 1,458 AF.	Water use reported under D19N/06E-06F1.

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				SOUTH FORK SUBUNIT (Continued)						
MDB&M										
D20N/07E-36E1	Gaskill Head Dam Bean & Nieland Corp	Grizzly Cr	Irrig Domestic	14 acres by flooding 18 connections	Approp	--	--	1900	Gravity, earth dam 24 feet high 250 feet long with 0.5 mile of earth ditch & 0.5 mile of 8-, 6- & 4-inch pipe.	Former owners, Charles & Levina Adams, Gaskill & Pratt.
D20N/08E-03Q1 (Import)*	Slate Creek Div Dam* Oroville-Wyandotte I D	Slate Cr	*	*	Approp Approp	300 cfs 35,000 AF	A-13956 A-13957	1961	Gravity, concrete dam 64 feet high 224 feet long with 2.5 miles of 11 foot diameter tunnel. Storage capacity, 643 AF.	Import from Yuba-Bear Rivers Hydrographic Unit. Part of Districts South Fork Project. Water use reported under D19N/06E-06F1.
D20N/08E-19A1	Sly Creek Dam* Oroville-Wyandotte I D	Lost Cr	*	*	Approp Approp Approp	25,000 AF 250 cfs 40,000 AF	A-2778 A-14112 A-14113	1961	Gravity, earth dam 251 feet high 1,140 feet long with short natural channel. Storage capacity, 65,050 AF.	Part of Districts South Fork Project. Water use reported under D19N/06E-06F1.
D21N/08E-30J1	South Fork Div Dam* Oroville-Wyandotte I D	Feather R SF	*	*	Approp Approp Approp		A-13676 A-14112 A-14113	1961	Gravity, concrete dam 56 feet high 170 feet long with 2.7 miles of tunnel.	Part of Districts South Fork Project. Water use reported under D19N/06E-06F1.
D21N/08E-34P1	Bean Ditch Soper-Wheeler Co.	Sly Cr	Irrig Stock Munic Export	25 acres by flooding -- 200 connections* *	Approp	--	--	1863	Gravity, earth & rock dam 2 feet high 30 feet long with 6.1 miles of earth ditch.	Former owners, Garat, Goebel, Birmingham, Bean. Water exported for use in Yuba-Bear Rivers Hydrographic Unit.
D22N/09E-31F1	Little Grass Valley Dam* Oroville-Wyandotte I D	Feather R SF	*	*	Approp Approp Approp Approp		A-1651 A-13676 A-14112 A-14113	1914	Gravity, earth & rock dam 192 feet high 782 feet long with natural channel.	Part of Districts South Fork Project. Water use reported under D19N/06E-06F1.
				WEST BRANCH SUBUNIT						
D20N/04E-03B1	Minshall Barbara	Spring Valley GL	Stock	60 head	B	--	--	1900	Gravity, earth & rock dam 20 feet high 500 feet long.	Former owner, Nesbeth Hetherington.
D20N/04E-04A1	Minshall Barbara	Spring Valley GL UT	Stock	60 head	B	--	--	1952	Gravity, earth dam 10 feet high 450 feet long.	
D20N/04E-04C1	Campbell Katherine D	Sawmill Rv Sp Trib	Stock	50 head	B	--	--	1870	Storage & gravity, earth dam 20 feet high 1,180 feet long. Storage capacity, 130 AF.	Former owners, Dan Morgen, Cherokee Mining Co.

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
				WEST BRANCH SUBUNIT (Continued)						
MDB&M										
D21N/04E-05J1	Tatum W F Estate of	Hodapp Cr UT	Irrig Stock	46 acres by flooding* 200 head	B	--	--	1950	Gravity, earth dam 12 feet high 450 feet long with short earth ditch.	Former owners, George Hodapp, T W Mitchell. Area irrigated receives supplemental water purchase from Thermalito I D.
D21N/04E-28P1	Radil J W	Spring Valley Gulch UT	Stock	50 head*	Approp	--	--	1863	Storage & gravity, two earth dams, 20 feet high 600 feet long & 15 feet high 700 feet long. Storage capacity, 216 AF.	Former owners, Leonard Campbell, Cherokee Mining Co. Area reported served jointly with D21N/04E-33K1.
D21N/04E-33J1	Campbell Leonard	Spring Valley GL	Stock	50 head	Approp	--	--	1870	Gravity, earth dam 15 feet high 850 feet long.	Former owner, Cherokee Mining Co.
D21N/04E-33K1	Radil J W	Spring Valley Gulch UT	Stock	*	Approp	--	--	1863	Storage & gravity, two earth dams, 15 feet high 2,200 feet long & 15 feet high 400 feet long. Storage capacity, 180 AF.	Former owners, Leonard Campbell, Cherokee Mining Co. Amount diverted served jointly with D21N/04E-28P1.
D22N/04E-03C1	Schager Loran & Evelyn	Concow Cr	Irrig	44 acres by flooding	Riparian	--	--	1955	Gravity, concrete dam 4 feet high 15 feet long with 75 feet of wood flume & 0.3 mile of earth ditch.	Former owners, Hopkins, George.
D22N/04E-16H1	Concow Res Table Mtn I D Thermalito I D	Concow Cr	Irrig Domestic Power Export	21 acres by flooding* * 2,000 KW* *	Approp Approp	8,200 AF 8,200 AF	A-1739 A-3040	1924	Storage & gravity, concrete dam 94 feet high 335 feet long with 9.2 miles of earth ditch & siphon to Miocene Canal. Storage capacity, 8,600 AF.	Former owner, Pac Gas & Elec Co & others. Water exported for use in Sacramento Valley Flood Hydrographic Unit. Amount diverted develops power at Lime Saddle Powerhouse jointly with D23N/04E-30P1. Previously irrigated an additional 4 acres. Area was idle in 1963.
D22N/04E-29B1	Scott Gene	Concow Cr Sp Trib	Irrig	10 acres by flooding	Riparian	--	--	1954	Pump, earth dam 6 feet high 120 feet long with 1-inch gasoline pump & short 4-inch pipe.	
D23N/03E-36R1 (Import)	Magalia Res Paradise I D	Little Butte Cr	Irrig Munic	182 acres* *	Approp	3,200 AF	A-476	1920	Storage & gravity, earth & rock dam 45 feet high 220 feet long with 1.3 miles of 42-inch steel pipe. Storage capacity, 3,540 AF.	Import from Sacramento Valley Northeast Hydrographic Unit. Reported area irrigated is that area served within the Hydrographic Unit. Serves a portion of the community of Paradise.

* See remarks
-- Information not available
For lettered footnotes, see last page of table

TABLE 2 (continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS

Diversion location number	Diversion name and/or owner	Source	Water Use in 1963		Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Type	Amount	Reference[a]			
			WEST BRANCH SUBUNIT (Continued)							
MDB&M										
D23N/04E-30P1	Miocene Canal Pac Gas & Elec Co	Feather R W Br	Power Export	2,000 KW* *	Approp	--	--	1856	Gravity, concrete dam 20 feet high 100 feet long with 12.5 miles of canal flume & pipe to export point.	Former owner, Oro Electric Corp. Water exported for use in Sacramento Valley Floor Hydrographic Unit. Also transports water from Concow Reservoir, developing power at Lime Saddle Powerhouse jointly with D22N/04E-16H1, before subsequent release for use by Table Mtn I D & Thermalito I D.
D24N/04E-04A1	Diamond National Corp	Feather R W Br	Munic Indust Fire Prot	150 connections* Lumber Mill --	Approp	--	--	1904	Gravity, concrete dam 2.5 feet high 55 feet long with 5.0 miles of wood flume & pipeline.	Serves community of Stirling City.
D24N/04E-16F1	Hendricks Canal Pac Gas & Elec Co	Feather R W Br	Export	*	Approp	5,060 AF	A-2755	1870	Gravity, 21.6 miles of earth ditch, pipe & tunnel.	Former owners, W C Hendricks, Paul Robinson. Water exported for power development in Sacramento Valley Northeast Hydrographic Unit.
D25N/04E-13C1	Philbrook Res Pac Gas & Elec Co	Philbrook Cr	Power	*	Approp	5,060 AF	A-2755	1926	Storage & gravity, earth dam 85 feet high & 850 feet long with natural channel. Storage capacity, 4,875 AF.	Storage release for downstream power development.
D26N/05E-30P1	Snag Lake Pac Gas & Elec Co	Feather N W Br	Power	*	B	--	--	1877	Storage & gravity, earth dam 22 feet high 435 feet long with natural channel. Storage capacity, 1,285 AF.	Storage released for downstream power development.

* See remarks
-- Information not available

a Reference numbers prefixed with "A" identify applications to appropriate water on file with State Water Rights Board.

B Insufficient information to determine type of apparent water right.

C Domestic use of less than 5 connections.

D Indian Creek Adjudication, Decree No. 4185, Plumas County Superior Court, December 19, 1950.

E Middle Fork Feather River Adjudication, Decree No. 3095, Plumas County Superior Court, January 19, 1940.

TABLE 3

APPLICATIONS TO APPROPRIATE WATER IN FEATHER RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
449	8/30/16	Pearson E O	26N/07E-18A	Soda Rv UT	0.044 CFS	1/01 - 12/31	Irrigation, domestic	L 00015
685	5/18/17	US Plumas Nat Forest	24N/10E-26H	Spring Garden Cr UT	5,000 GPD	1/01 - 12/31	Domestic	L 00166
1024	7/16/18	Meadow Valley Lbr Co	25N/08E-14E	Feather R UT	0.15 CFS	1/01 - 12/31	Irrigation, domestic	L 00217
1146	12/23/18	Pilgrim Ford A Valda L	20N/05E-20F	Canyon Cr	0.11 CFS	5/01 - 10/01	Irrigation	L 00263
1208	3/13/19	Pacific Gas & Elec Co	26N/07E-23K	French Cr	0.13 CFS	1/01 - 12/01	Domestic, fire protection	L 00221
1571	12/15/19	Hamrick Eldon E	25N/07E-26S	Clear Cr	3.00 CFS	1/01 - 12/01	Domestic, mining	L 00260
1651	2/02/20	Oroville-Wyandotte I D	20N/07E-01G 22N/09E-31K	Feather R SF Feather R SF	200 CFS 109,012 AFA	4/01 - 7/01 10/01 - 7/01	Irrigation Irrigation	P 01267
1712	3/06/20	Brilliott Wilbur & Marie	21N/05E-32D	Canyon Cr UT	6,000 GPD	6/01 - 8/01	Irrigation	L 01128
1739	3/25/20	Table Mtn I D Thermalito I D	22N/04E-16H	Concow Cr	8,200 AFA	12/01 - 4/01	Irrigation, domestic	L 00845
2142	12/17/20	Oroville-Wyandotte I D	20N/07E-24K	Lost Cr	45,000 AFA	10/01 - 7/01	Irrigation	P 01268
2186	2/01/21	Pacific Gas & Elec Co	24N/07E-33C	Bucks Cr	70,000 AFA	10/01 - 7/01	Irrigation	P 03390
2195	2/10/21	Pacific Gas & Elec Co	24N/07E-33F 24N/07E-29N	Bucks Cr Bucks Cr	55,000 AFA 55,000 AFA	12/01 - 7/01 12/01 - 7/01	Power	L 01919
2696	12/21/21	Twist G F & M F	21N/12E-19Q	Gold L UT	5,850 GPD	6/01 - 9/30	Domestic	L 00511
2755	2/09/22	Pacific Gas & Elec Co	25N/04E-13C	Philbrook Cr	5,060 AFA	10/20- 7/01	Power	L 00988
2778	3/06/22	Oroville-Wyandotte I D	20N/08E-19A 20N/08E-20D	Lost Cr Lost Cr	25,000 AFA 50 CFS	10/01 - 6/01 4/01 - 6/01	Irrigation Irrigation	P 02492
2808	3/30/22	Hunter H H	23N/05E-32S	Mill Cr	1.25 CFS	1/01 - 12/31	Mining	L 00429
2979	8/12/22	Oroville-Wyandotte I D	20N/07E-24K	Lost Cr	185 CFS 185 CFS	4/01 - 10/15 1/01 - 12/31	Irrigation, domestic Domestic	P 01271
3040	9/16/22	Table Mtn I D Thermalito I D	22N/04E-16H	Concow Cr	8,200 AFA	11/01 -7/01	Power	L 00737
3053	9/26/22	Curtiss Florence M Et Al	25N/06E-24P	Indian Cr	0.18 CFS	1/01 - 12/31	Power	L 01311
3126	11/08/22	Rasmason Donald & Lillian	19N/04E-26G 19N/04E-26B	Feather R NF UT Wymans Rv	0.1 CFS 0.14 CFS	5/01 - 10/30 5/01 - 10/30	Irrigation Irrigation	L 01140
3332	3/27/23	Drobish Faith B	17N/05E-05F 18N/05E-31R 18N/05E-32L	Kings Cr Kings Cr Lincoln House Rv	0.1 CFS 0.1 CFS 0.35 CFS	4/01 - 11/01 4/01 - 11/01 4/01 - 11/01	Irrigation, stockwatering Irrigation, stockwatering Irrigation, stockwatering	L 03267
3738	12/01/23	Pacific Gas & Elec Co	26N/07E-11Q	Goon Cr	0.2 CFS	1/01 - 12/31	Domestic, fire protection	L 00813
3794	1/10/24	Pacific Gas & Elec Co	26N/07E-25D	French Cr	0.5 CFS	1/01 - 12/31	Domestic, industrial, fire protection	L 00637
3795	1/10/24	Pacific Gas & Elec Co	25N/07E-20C	Oak Cr	0.001 CFS	1/01 - 12/31	Domestic, fire protection	L 00809
3889	3/06/24	Pacific Gas & Elec Co	24N/07E-29N	Bucks Cr	23,000 AFA	11/01 - 7/15	Power	I 01920
3918	3/25/24	US Plumas Nat Forest	25N/10E-31J	Tollgate Cr	0.048 CFS	3/01 - 11/01	Domestic	L 00861
4022	6/11/24	Hunter Frank B & G	22N/12E-31J	Gray Eagle Cr UT	9,500 GPD	5/01 - 11/01	Domestic, fire protection	L 02010
4023	6/11/24	Hunter Frank B & G	22N/12E-32N	Gray Eagle Cr	3 CFS	5/15 - 10/15	Power	L 01042
4122	7/31/24	Lee May I Et Al	30N/06E-19R 30N/06E-19P	Cold Sp Kings Cr	0.20 CFS 0.17 CFS	5/01 - 11/01 5/01 - 11/01	Irrigation, domestic Irrigation, domestic	L 02023

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TABLE 3 (continued)

APPLICATIONS TO APPROPRIATE WATER IN FEATHER RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
4234	9/24/24	Jones Frank M & Helen Mansell W E & Gladys	23N/12E-30F 23N/12E-30F	Russell Sp Tunnel Sp	1,400 GPD 1,200 GPD	4/01 - 11/01 4/01 - 11/01	Irrigation, domestic Irrigation, domestic	L 00631
4261	10/16/24	Garr Kathleen G Wilbur	26N/11E-35P	Indian Cr UT	650 GPD	1/01 - 12/31	Stockwatering	L 00732
4281	10/28/24	Drew W F	21N/12E-07J	Gray Eagle Cr Little	15,500 GPD	6/01 - 9/15	Domestic	L 01232
4441	2/02/25	Pacific Gas & Elec Co	24N/06E-29N 24N/06E-33E	Bucks Cr Bucks Cr	40,000 AFA	11/01 - 7/15	Power	L 01921
4453	2/10/25	Pacific Gas & Elec Co	24N/07E-05F	Milk Ranch Cr	736 AFA	1/01 - 6/15	Power	L 01922
4491	3/05/25	Pacific Gas & Elec Co	24N/07E-29N 24N/06E-34G	Bucks Cr Grizzly Cr	150 CFS 25 CFS	1/01 - 12/31 1/01 - 12/31	Power Power	L 01923
4580	5/13/25	Piedmont Council BSA	25N/09E-14E	Clear Cr	6,000 GPD 10,000 GPD	4/01 - 9/30 6/01 - 7/31	Domestic Domestic	L 02272
4598	5/22/25	Pacific Gas & Elec Co	24N/06E-34G	Grizzly Cr	105 CFS	1/01 - 12/31	Power	L 01924
4871	12/21/25	Pacific Gas & Elec Co	24N/06E-34G	Grizzly Cr	20 CFS	1/01 - 12/31	Power	L 01925
5015	5/13/26	Lotts Lake Assn	25N/05E-15R	Lotts L UT	750 GPD	7/01 - 10/01	Domestic	L 02118
5166	8/23/26	Drew W F	21N/12E-07J	Gray Eagle Cr Little	1.37 CFS	6/01 - 9/15	Power	L 01233
5171	8/26/26	Lee May I Et Al	30N/06E-29D	Sunflower Flat Cr	0.25 CFS	5/01 - 11/01	Irrigation, domestic	L 02024
5327	1/10/27	Murphy Werner & Marian C	23N/05E-28C	Camp Cr	0.15 CFS 0.15 CFS	4/01 - 11/01 1/01 - 12/31	Irrigation, domestic Domestic	L 03454
5358	2/15/27	Dellinger Ruth Et Al	23N/12E-31E	Jamison Cr UT	0.025 CFS	6/01 - 10/01	Irrigation, domestic	L 00850
5629	7/30/27	Calif Dept Water Res	19N/04E-01D 19N/04E-05Q 19N/04E-08G	Feather R Feather R Feather R	7,600 CFS 380,000 AFA 7,600 CFS 7,600 CFS	1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31	Power, recreational, other Power, recreational, other Power, recreational, other Power, recreational, other	Pend
5630	7/30/27	Calif Dept Water Res	19N/04E-01D 19N/04E-05Q 19N/04E-08G	Feather R Feather R Feather R	1,400 CFS 380,000 AFA 1,400 CFS 1,400 CFS	1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31	Irrigation, domestic, stock- watering, recreational, other Same as above	Pend
5734	10/24/27	Rivera Richard B & Lilia	22N/06E-32P	Ram Cr Little	0.6 CFS 0.6 CFS	11/01 - 5/31 1/01 - 12/31	Domestic, mining Domestic	L 01079
5735	10/24/27	Long William E	22N/06E-32P	Ram Cr Little	8,500 GPD	1/01 - 12/31	Irrigation, domestic	L 01368
5996	7/27/28	Pacific Gas & Elec Co	24N/06E-20J	Feather R NF UT	0.3 CFS	1/01 - 12/31	Domestic, fire protection	L 01067
5997	7/27/28	Pacific Gas & Elec Co	24N/06E-29A	Muir Cr	2.25 CFS	1/01 - 12/31	Industrial, fire protection	L 01068
6001	8/04/28	Davidson Philip R	22N/05E-32C	Feather R NF UT	7,100 GPD	1/01 - 12/31	Industrial, domestic	L 01341
6057	9/17/28	Mc Clenaghan Dorothy C	21N/12E-17D	Gray Eagle Cr Sp UT	9,000 GPD	5/15 - 11/15	Domestic	L 02041
6141	12/17/28	Plumas-Sierra Develop Co	21N/12E-05N	Gray Eagle Cr Little	0.91 CFS	1/01 - 12/31	Power	L 01483
6186	2/08/29	Trall Ralph E & Nell	24N/06E-16K	Jackass Cr	0.11 CFS 0.11 CFS	5/01 - 10/30 1/01 - 12/31	Irrigation, domestic Domestic	L 01586
6204	2/27/29	Paradise I D	24N/04E-29J	Feather R WB Little WF	5,000 AFA	11/15 - 6/15	Irrigation, domestic, industrial	P 03678
6241	4/08/29	Pacific Gas & Elec Co	24N/06E-12R 24N/07E-20P 24N/07E-29D 24N/07E-18N 24N/07E-29M 24N/07E-07N 24N/07E-19H 24N/07E-19H 24N/07E-20E 24N/07E-20M 24N/07E-06Q 24N/07E-06K 24N/07E-05E 24N/07E-19C	Alder Cr Bear Rv Cr Bear Rv Cr UT Bear Trap Cr Bucks Cr UT Cliff Cr Fork Rv UT Fork Rv UT Fork Rv UT Fork Rv UT Granite Cr Granite Cr UT Milk Ranch Cr Slide Cr	65 CFS 65 CFS 65 CFS 65 CFS 65 CFS 65 CFS 65 CFS 65 CFS 65 CFS 65 CFS 65 CFS 65 CFS 65 CFS 65 CFS	1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31	Power Power Power Power Power Power Power Power Power Power Power Power Power Power	L 01926
6412	8/17/29	Soper-Wheeler Co Norby Florence	20N/08E-20K	Stickner Sp	0.033 CFS	4/01 - 12/15	Power	L 01485

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TABLE 3 (continued)

APPLICATIONS TO APPROPRIATE WATER IN FEATHER RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
6469	10/28/29	McLean Hal & Jean B	25N/08E-21G	Feather R EB NF UT	650 GPD	1/01 - 12/31	Domestic	L 01600
6723	7/08/30	Smith Almon E & O Kenneth	23N/04E-20N	Empire Cr	3 CFS	9/01 - 7/01	Mining	L 02560
6728	7/11/30	Dawn Inst of Science & Art	25N/09E-03J	Indian Cr UT	7,500 GPD	1/01 - 12/31	Domestic	L 02143
7003	7/10/31	Holt Robert L Et Al	25N/09E-27J	Blackhawk Cr	4.6 CFS	1/01 - 12/31	Domestic, mining	L 01575
7310	7/02/32	Beaughan Sidona & N Errol	25N/10E-15P	Nelson Cr UT	0.15 CFS	1/01 - 12/31	Domestic, mining	L 01825
7370	9/08/32	Calif Div of Highways	25N/09E-10P	Spanish Cr UT	2,000 GPD	1/01 - 12/31	Recreational, industrial	L 02235
7526	3/29/33	Univ of Calif Regents of	24N/08E-26D	Schneider Cr	4,250 GPD	5/08 - 8/20	Domestic fire protection	L 02065
7538	4/13/33	Squires Frank & Lilly E	25N/05E-20P	Browns Rv	3 CFS	6/01 - 11/01	Mining	L 01611
7547	5/03/33	Stouky Roy C	23N/11E-03Q	Rattlesnake Cr	3 CFS	2/01 - 5/15	Mining	L 01964
7864	3/06/34	Feather R Pine Mills Inc	20N/07E-17D 20N/07E-17D 20N/07E-17D 20N/07E-17D	Sucker Run Cr Sucker Run Cr Winters Cr Big Winters Cr Big	3 CFS 3 CFS 3 CFS 3 CFS	5/01 - 10/01 10/01 - 5/01 10/01 - 5/01 5/01 - 10/01	Irrigation, domestic Domestic Domestic Irrigation, domestic	L 02408
7875	3/16/34	US Lassen Nat Forest	29N/10E-29N	Coppervale Sp	2,000 GPD	1/01 - 12/31	Domestic, fire protection	L 02859
7927	5/03/34	Black Thurman M Et Al	24N/08E-29Q	Deadwood Cr	0.115 CFS	4/01 - 12/31	Mining	L 02691
7943	5/22/34	Plumas-Sierra Develop Co	21N/12E-07J	Gray Eagle Cr Little	5,000 GPD	9/15 - 6/01	Domestic	L 02683
7978	6/15/34	Pacific Gas & Elec Co	25N/06E-24F	Indian Cr	2,000 GPD	1/01 - 12/31	Domestic	L 02682
8051	8/06/34	US Plumas Nat Forest	22N/12E-17D	Feather R MF UT	7,000 GPD	1/01 - 12/31	Domestic	L 01845
8422	8/21/35	Stevens Clarence E & Beryl M	22N/04E-07P 22N/04E-18C	Ogden Cr Ogden Cr	16,000 GPD 16,000 GPD	4/01 - 10/01 4/01 - 10/01	Domestic Domestic	L 02423
8460	10/03/35	Garr Kathleen G Wilbur	27N/11E-35L	Taylor L	200 AFA	10/01 - 6/01	Irrigation, domestic, stockwatering	L 02223
8495	11/14/35	Graeagle Land & Water Co	22N/12E-21K 22N/12E-21N 21N/12E-06N	Gray Eagle Cr Gray Eagle Cr Long L	13.75 CFS 13.75 CFS 1,500 AFA	1/01-12/31 1/01 - 12/31 11/01 - 6/01	Irrigation, domestic, power Irrigation, domestic, power Irrigation, domestic, power	L 02340
8496	11/14/35	Graeagle Land & Water Co	22N/12E-21K	Gray Eagle Cr	4 CFS	1/01 - 12/31	Irrigation, domestic, industrial	L 02341
8964	5/06/37	Dawson William J & Augusta	22N/12E-19B	Feather R MF UT	5,000 GPD	1/01 - 12/31	Domestic	L 02564
8986	6/04/37	Browns Valley I D	17N/05E-24N	Tennessee Cr	3 CFS	4/01 - 10/31	Irrigation, domestic	L 02182
8990	6/05/37	US Plumas Nat Forest	25N/07E-08F	Feather R NF UT	4,750 GPD	4/01 - 11/01	Recreational	L 02332
8991	6/05/37	US Plumas Nat Forest	25N/07E-08C	Feather R NF UT	1,100 GPD	4/01 - 11/01	Recreational	L 02930
8996	6/14/37	Struckman Henry W & Irene	26N/08E-18K 26N/08E-18K	Clear Cr Owl Cr	0.57 CFS 0.57 CFS	1/01 - 12/31 1/01 - 12/31	Domestic, mining Domestic, mining	L 04494
9162	10/28/37	Sapp O W	23N/12E-18N	Cromberg Sp	200 GPD	1/01 - 12/31	Domestic, fire protection	L 02286
9207	12/22/37	Vail Stanley & Ruth P	23N/12E-18N	Cromberg Sp	300 GPD	1/01 - 12/31	Domestic, fire protection	L 02284
9273	4/15/38	Magill Grace R & Henry E	23N/12E-18N	Cromberg Sp	1,400 GPD	1/01 - 12/31	Domestic	L 05464
9274	4/15/38	Vail Stanley L	23N/12E-18N	Cromberg Sp	500 GPD	1/01 - 12/31	Domestic	L 02193
9275	4/15/38	Schultz Earl Et Al	23N/12E-18N	Cromberg Sp	4,000 GPD	1/01 - 12/31	Domestic	L 02732
9293	5/16/38	US Tahoe Nat Forest	20N/14E-25B	Bonta Cr UT	16,000 GPD	1/01 - 12/31	Domestic, fire protection	L 02548
9348	7/13/38	Armstrong Lorraine Conroy Rae	25N/08E-17R	Feather R EB NF UT	0.035 CFS	1/01 - 12/31	Domestic, mining	L 02697
9349	7/14/38	Hall C E	22N/08E-05E	California Cr Little	0.2 CFS	1/01 - 12/31	Domestic, mining	L 03353
9392	8/18/38	Vail Stanley & Ruth P	23N/12E-18N	Cromberg Sp	500 GPD	1/01 - 12/31	Domestic, fire protection	L 02572
9452	11/16/38	Georgia-Pacific Corp	20N/06E-13B 20N/06E-13G	Bryants Rv Bryants Rv UT	0.22 CFS 0.22 CFS	1/01 - 12/31 1/01 - 12/31	Domestic Domestic	L 02752

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TABLE 3 (continued)

APPLICATIONS TO APPROPRIATE WATER IN FEATHER RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
9453	11/16/38	Georgia-Pacific Corp	20N/07E-18G 20N/07E-18N 20N/07E-17D 20N/07E-17D 20N/07E-18B	Buckeye Cr Big Buckeye Cr Little Sucker Run Cr Winters Cr Big Winters Cr Little	3 CFS 3 CFS 3 CFS 3 CFS 3 CFS	1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31	Irrigation, domestic Irrigation, domestic Domestic, industrial Domestic, industrial Irrigation, domestic	L 02753
9514	3/01/39	US Plumas Nat Forest	21N/06E-09D 21N/06E-09D	Foley GL Mountain House Cr	0.047 CFS 0.047 CFS	1/01 - 12/31 1/01 - 12/31	Domestic, fire protection Domestic, fire protection	L 03736
9616	6/14/39	Moak James & Frankie	21N/05E-08B	Frazier Cr EB	0.115 CFS	1/01 - 12/31	Industrial, domestic, fire protection	L 02570
9690	8/08/39	Georgia-Pacific Corp	21N/07E-31F 21N/06E-36R	Frey Cr Little Grubbs Cr	3 CFS 3 CFS	1/01 - 12/31 1/01 - 12/31	Industrial, domestic Industrial, domestic	L 03114
9734	9/22/39	Hensley Justin C & Freda	23N/07E-15L 23N/07E-15P	Willow Cr UT Willow Cr UT	4.5 AFA 3 CFS	11/01 - 5/15 3/01 - 10/01	Domestic, mining Domestic, mining	L 03747
9770	11/21/39	US Plumas Nat Forest	25N/08E-11Q	Garnett Cr UT	4,200 GPD	1/01 - 12/31	Domestic	L 04894
9800	1/09/40	Pacific Gas & Elec Co	23N/05E-01L 23N/05E-32A 25N/06E-35D 26N/07E-26K	Feather R NF Feather R NF Feather R NF Feather R NF	3,500 CFS 3,500 CFS 3,000 CFS 2,250 CFS	1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31	Power, domestic Power, domestic Power, domestic Power, domestic	P 05724
9886	4/29/40	Pacific Gas & Elec Co	24N/06E-20Q	Feather R NF UT	0.28 CFS	1/01 - 12/31	Fire protection, domestic	L 02625
9968	8/07/40	Dawn Inst Science & Art	25N/09E-03K	Indian Cr UT	1.25 CFS	1/01 - 12/31	Domestic	P 05684
9972	8/09/40	Morris Const Co	23N/07E-02L	Unnamed Spring	14,500 GPD	1/01 - 12/31	Domestic	L 03476
10011	9/23/40	Portola City of Et Al	23N/13E-31R 23N/13E-30K	Willow Cr Willow Cr	1.6 CFS 1.6 CFS	3/01 - 10/01 3/01 - 12/01	Irrigation, stockwatering Irrigation, stockwatering	L 02581
10025	10/02/40	US Plumas Nat Forest	23N/07E-04G	Thompson L	7,800 GPD	5/01 - 11/30	Domestic	L 04105
10136	3/04/41	Cooke Charles E & Sylvia	23N/07E-02G	Bucks L UT	650 GPD	5/01 - 11/01	Domestic	L 02576
10341	12/09/41	Western Pacific R R Co	25N/07E-21K	Kellogg Rv	1,300 GPD	1/01 - 12/31	Domestic	L 02922
10349	12/31/41	Spurrier H A & Alta L	24N/08E-21J	Clear Cr	0.05 CFS	5/01 - 9/15	Irrigation, domestic	L 02936
10616	3/18/43	US Plumas Nat Forest	24N/08E-14J	Spanish Cr UT	2,500 GPD	4/01 - 12/31	Domestic	L 03164
10726	11/05/43	US Plumas Nat Forest	27N/08E-33H	Feather R NF UT	2,000 GPD	5/01 - 9/30	Domestic	L 02968
10744	12/29/43	Dean Ernest John & Harry	26N/08E-02E 26N/08E-21F	Feather R NF UT Feather R NF UT	0.05 CFS 0.10 CFS	1/01 - 12/31 1/01 - 12/31	Power Power	L 02985
10748	1/05/44	Merian A T	21N/09E-19B	Valley Cr	1.25 CFS	3/01 - 6/30	Mining	L 04550
10837	7/10/44	Wilson D C Estate of	26N/08E-36B 26N/08E-36F 26N/08E-36G	Onion Rv UT Onion Rv UT Onion Rv UT	0.01 CFS 0.01 CFS 0.01 CFS	3/01 - 12/01 3/01 - 12/01 3/01 - 12/01	Domestic, mining Domestic, mining Domestic, mining	L 03995
10917	11/21/44	Dameron Perry Et Al	23N/07E-04S	Bucks L UT	2,000 GPD	5/01 - 10/31	Domestic	L 03113
10963	1/26/45	Parks Helen F	21N/05E-28A	Roma Cr	0.075 CFS	5/01 - 10/31	Irrigation	L 03323
11033	4/24/45	Georgia-Pacific Corp	20N/06E-13N	Sucker Run Cr UT	60,000 GPD	5/01 - 10/31	Domestic	L 03115
11146	9/06/45	US Plumas Nat Forest	25N/09E-26P	Blackhawk Cr UT	2,700 GPD	1/01 - 12/31	Domestic	L 03339
11180	10/11/45	Stillman George & Alma N	25N/08E-15P	Feather R EB NF UT	2,100 GPD	1/01 - 12/31	Domestic	L 03355
11192	10/25/45	Pacific Gas & Elec Co	24N/07E-33M	Bucks Cr UT	0.18 CFS	1/01 - 12/31	Domestic, fire protection	L 03105
11193	10/25/45	Pacific Gas & Elec Co	24N/06E-34A	Grizzly Cr UT	0.25 CFS	1/01 - 12/31	Domestic, fire protection	L 03106
11201	11/01/45	Johnson Merlyn E & Irene A	25N/08E-21G	Feather R EB NF UT	16,000 GPD	1/01 - 12/31	Domestic, fire protection	L 03482
11205	11/07/45	Vail Stanley L & Ruth P	23N/12E-18N	Cromberg Sp	1,000 GPD	1/01 - 12/31	Domestic, fire protection	L 03483
11243	12/26/45	Brentlinger E H	24N/07E-33N	Bucks L UT	200 GPD	5/01 - 11/01	Domestic, fire protection	L 04540
11271	1/31/46	Wardman Herbert T & L	25N/09E-27G	Watering Trough Sp	1,440 GPD	1/01 - 12/31	Domestic, fire protection	L 03737
11316	3/14/46	Holman Walter B & Myrtle	25N/08E-21L	Berry Cr	0.15 CFS	5/01 - 11/01	Irrigation, domestic	L 03738
11323	3/19/46	Cole Mary E	25N/09E-26G	Spanish Cr UT	16,000 GPD	1/01 - 12/31	Domestic fire protection	L 04202

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(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
11361	4/08/46	Holman Walter H & Myrtle	25N/08E-21F	Berry Cr	1 CFS	3/15 - 10/01	Mining	L 04551
11397	5/14/46	Kreps John F	23N/11E-12F	Long Valley Cr Little UT	2,100 GPD 2,100 GPD	4/01 - 11/01 1/01 - 12/31	Irrigation, domestic Domestic	L 03381
11477	7/22/46	Summer Water Assn	23N/07E-02G	Bucks L UT	1,700 GPD	6/15 - 10/15	Domestic	L 03505
11585	10/09/46	Lucky Hereford Ranch	22N/15E-24K	Morris Sl Channel	3 CFS	3/15 - 5/31	Irrigation	L 03638
11713	2/03/47	Fischer Robert E & Majorie	25N/11E-15R	Ward Cr UT	6,900 GPD	1/01 - 12/31	Domestic	L 03586
11753	3/04/47	Fern Dell Cr Water Users Assn	21N/05E-27M	Fern Dell Cr	1,500 GPD	1/01 - 12/31	Domestic	L 05086
11786	3/19/47	High Sierra Pine Mills Inc	25N/08E-22G	Feather R EB NF	0.525 CFS 10 AFA	3/01 - 12/15 3/01 - 12/15	Industrial Industrial	L 03421
11799	3/31/47	Pellegrini Mario & Tullio	21N/06E-02K	Feather R MF UT	6,000 GPD 6,000 GPD	5/01 - 12/31 1/01 - 12/31	Mining Domestic	L 03512
11907	5/27/47	US Plumas Nat Forest	24N/07E-33L	Bucks L UT	2,000 GPD	4/01 - 12/31	Domestic	P 07171
11976	7/07/47	Crawford Robert M & E A	24N/10E-19R	American Valley UT	0.026 CFS 0.026 CFS	6/01 - 9/15 1/01 - 12/31	Irrigation Domestic, fire protection	P 07075
12025	8/05/47	Robinson Guy N & Grace O	21N/12E-19Q	Gold L Sp Trib	600 GPD	5/01 - 11/01	Domestic	L 06960
12038	8/13/47	US Plumas Nat Forest	24N/06E-10E	Kling Rv	2,500 GPD	1/01 - 12/31	Domestic	L 05500
12113	9/29/47	Sapp G W	23N/12E-18N	Cromberg Sp	650 GPD	1/01 - 12/31	Domestic, fire protection	L 03485
12117	10/02/47	Vail Stanley L & Ruth P	23N/12E-18N	Cromberg Sp	300 GPD	1/01 - 12/31	Domestic, fire protection	L 03484
12122	10/08/47	Vail Stanley L & Ruth P	23N/12E-18N	Cromberg Sp	400 GPD	1/01 - 12/31	Domestic, fire protection	L 03486
12150	11/10/47	Jurach Michael	24N/11E-10J	Joseph Cr	3 CFS	5/15 - 10/15	Mining	L 03924
12279	1/30/48	Fox James H & A M	23N/11E-02P	Long Valley Cr UT	202 GPD	5/01 - 10/15	Domestic	L 03603
12374	3/02/48	Fondy Guy B & Nevada R	24N/11E-19H	Squirrel Cr	325 GPD	1/01 - 12/31	Domestic	L 04889
12394	3/09/48	Benton George F	27N/08E-19K	Almanor L UT	0.057 CFS 0.057 CFS	5/15 - 9/30 1/01 - 12/31	Irrigation, domestic Domestic	L 03752
12505	5/06/48	Stinson James J & Irene M	27N/11E-31Q	Lights Cr UT	14,400 GPD	1/01 - 12/31	Domestic, fire protection	L 05477
12535	6/04/48	US Plumas Nat Forest	23N/11E-02P	Long Valley Cr UT	11,800 GPD	5/01 - 10/15	Irrigation	L 03605
12548	6/16/48	Silverado Area Council B S A	24N/07E-28N	Bucks L Lower UT	1,000 GPD	6/01 - 10/01	Domestic, fire protection	L 03530
12836	11/24/48	Montgomery George J	27N/11E-31R	Lights Cr UT	250 GPD	1/01 - 12/31	Domestic, fire protection, stockwatering	L 03548
12844	12/03/48	Garr Kathleen G Wilbur	27N/11E-35L	Taylor L	200 AFA	10/01 - 6/30	Irrigation	P 07617
12900	1/17/49	Palen E N	21N/15E-31P	Antelope Cr	126 AFA	11/01 - 3/14	Irrigation	L 04841
13032	4/19/49	Hunter H H	23N/05E-32S	Mill Cr	10,000 GPD	6/01 - 10/01	Irrigation, domestic	L 03878
13082	5/10/49	Harvey Harry	19N/06E-31F	Kennedy Gl	0.5 CFS	5/15 - 10/01	Irrigation, domestic	L 06333
13138	6/08/49	Hunter H H	23N/05E-32S	Mill Cr	0.56 CFS	1/01 - 12/31	Power	L 03879
13358	9/19/49	Siler Tillie E	26N/08E-03J	Davis Cr UT	0.047 CFS	4/01 - 12/31	Domestic, mining	L 04972
13398	10/13/49	Ames Floyd L	25N/08E-22C	Feather R EB NF UT	300 GPD	1/01 - 12/31	Domestic	L 05317
13522	12/28/49	Sacto Box & Lbr Co	19N/07E-09F	Feather R SF UT	1,500 GPD	5/01 - 4/30	Recreational	L 05479
13545	1/23/50	Hubbell Glenn R	25N/08E-15P	Feather R EB NF UT	720 GPD	1/01 - 12/31	Domestic	L 03817
13625	3/10/50	US Plumas Nat Forest	26N/11E-12C	Cold Sp	7,200 GPD	4/01 - 10/31	Domestic, industrial, fire protection, stockwatering	L 05325
13676	4/07/50	Yuba County WD Oroville-Wyandotte I D	21N/08E-30J 22N/09E-31F 20N/07E-24K 20N/07E-19A	Feather R SF Feather R SF Lost Cr Lost Cr	200 CFS 77,300 AFA 100 CFS 40,000 AFA	11/01 - 7/01 1/01 - 12/31 1/01 - 12/31 11/01 - 7/01	Power Power Power Power	P 11514

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TABLE 3 (continued)

APPLICATIONS TO APPROPRIATE WATER IN FEATHER RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
13681	4/10/50	Richvale I D	22N/12E-23R 23N/09E-13J	Feather R Feather R MF	72,000 AFA 60,000 AFA	11/01 - 6/30 11/01 - 6/30	Irrigation, domestic Irrigation, domestic	Pend
13682	4/10/50	Richvale I D	22N/12E-23R	Feather R MF	300 CFS	1/01 - 12/31	Power	Pend
13765	5/31/50	Pacific Gas & Elec Co	24N/06E-160	Jackass Cr	0.056 CFS	1/01 - 12/31	Domestic, fire protection	L 04572
13769	6/01/50	Pacific Gas & Elec Co	23N/05E-27B	Rock Bar Cr	0.078 CFS	1/01 - 12/31	Domestic, fire protection	L 05260
13800	6/19/50	Stevenson Lewis C	23N/07E-11F	Haskins Cr UT	0.037 CFS	5/01 - 10/01	Irrigation, domestic, stockwatering	L 04004
13846	7/15/50	Pacific Gas & Elec Co	24N/06E-30B	Miller Cr	15,000 GPD	1/01 - 12/31	Domestic, fire protection	L 04209
13848	7/17/50	Calif Engels Mining Co	27N/11E-11E	Lights Cr EB	1.5 CFS	5/01 - 12/01	Domestic, mining	P 08499
13880	8/03/50	Kingsley Leslie	25N/07E-18M	Yellow Cr UT	0.067 CFS	1/01 - 12/31	Domestic, mining	L 04165
13926	8/30/50	Countryman Joyce A Stevenson Charlotte C	23N/07E-11H	Daniels Cr	500 GPD	5/01 - 10/01	Domestic	L 05278
13956	9/20/50	Yuba County W D Oroville-Wyandotte I D	20N/08E-01H 20N/08E-02P	Slate Cr Slate Cr	35,000 AFA 300 CFS	1/01 - 7/01 1/01 - 12/31	Power, domestic Power, domestic	P 11515
13957	9/20/50	Yuba County W D Oroville-Wyandotte I D	20N/08E-01H 20N/08E-02P	Slate Cr Slate Cr	35,000 AFA 300 CFS	1/01 - 7/01 5/01 - 11/01	Irrigation, domestic Irrigation, domestic	P 11516
14016	9/25/50	Morris Const Co	23N/07E-02L 23N/07E-02Q	Haskins Cr UT Haskins Cr UT	0.02 CFS 0.02 CFS	5/11 - 11/01 5/11 - 11/01	Domestic, recreational Domestic, recreational	P 08784
14112	12/28/50	Yuba County W D Oroville-Wyandotte I D	21N/08E-30J 22N/09E-31F 20N/07E-24K 20N/08E-19A	Feather R SF Feather R SF Lost Cr Lost Cr	150 CFS 150 CFS 250 CFS 250 CFS	1/01 - 12/31 1/01 - 12/31 1/01 - 12/31 1/01 - 12/31	Irrigation Irrigation Irrigation Irrigation	P 11517
14113	12/28/50	Yuba County W D Oroville-Wyandotte I D	21N/08E-30J 22N/09E-31F 20N/07E-24K 20N/08E-19A	Feather R SF Feather R SF Lost Cr Lost Cr	77,300 AFA 350 CFS 40,000 AFA 350 CFS	11/01 - 7/01 1/01 - 12/31 11/01 - 7/01 1/01 - 12/31	Irrigation, domestic Irrigation, domestic Irrigation, domestic Irrigation, domestic	P 11518
14159	2/13/51	Tweeten Hazel & Kenneth G	27N/09E-230	Williams Cr	0.75 CFS	1/01 - 12/31	Irrigation, stockwatering	P 09287
14185	3/09/51	Paradise I D	24N/04E-16G	Feather R WB NF	5,000 AFA	9/15 - 6/01	Irrigation, domestic	P 09079
14218	3/29/51	Meadow Valley Lbr Co	27N/09E-33J	Wolf Cr UT	3,000 GPD	1/01 - 12/31	Domestic	L 04300
14219	3/29/51	Meadow Valley Lbr Co	26N/09E-04G	Moses Cr	48 AFA	11/03 - 4/30	Industrial, fire protection	L 04301
14227	4/04/51	Goldenson Randall	27N/09E-23D	Williams Cr	0.75 CFS	1/01 - 12/31	Irrigation, stockwatering, other	P 09288
14228	4/04/51	US Tahoe Nat Forest	20N/13E-11K	Berry Cr Sp Trib	650 GPD	7/01 - 11/30	Domestic	L 03968
14281	5/02/51	US Tahoe Nat Forest	20N/15E-14B	Dark Co Sp Trib	645 GPD	6/01 - 10/31	Domestic, stockwatering, fire protection	L 04915
14282	5/02/51	US Tahoe Nat Forest	20N/16E-24	Lewis Mill G S Sp	2,900 GPD	6/01 - 11/15	Domestic, stockwatering, fire protection	L 04947
14283	5/02/51	US Tahoe Nat Forest	20N/16E-34D	Sardine Lookout Sp	1,000 GPD	6/01 - 10/31	Domestic, fire protection	L 05334
14284	5/02/51	US Tahoe Nat Forest	20N/15E-24P	Dark Cn Sp Trib	650 GPD	6/01 - 10/31	Domestic, stockwatering, fire protection	L 04701
14285	5/02/51	US Tahoe Nat Forest	22N/13E-36A	Sierra Valley Sp Trib	1,250 GPD	5/01 - 10/31	Fire protection, stockwatering	L 04186
14286	5/02/51	US Tahoe Nat Forest	20N/15E-33K	Cold Stream Sp Trib	2,250 GPD	5/01 - 10/31	Domestic, fire protection	L 05013
14287	5/02/51	US Tahoe Nat Forest	20N/16E-30R	Lemon Cn Sp Trib	1,500 GPD	6/01 - 9/30	Domestic, stockwatering, fire protection	L 04922
14390	7/13/51	Dennis Noel F & Birdie L	18N/04E-02C 19N/04E-35P	Wyandotte Cr Wyandotte Cr	0.25 CFS 0.25 CFS	4/01 - 11/01 1/01 - 12/31	Irrigation, domestic, stockwatering Domestic, stockwatering	L 07078

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TABLE 3 (continued)

APPLICATIONS TO APPROPRIATE WATER IN FEATHER RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
14443	8/24/51	Calif Dept Water Res	19N/04E-01D	Feather R	3,500,000 AFA	1/01 - 12/31	Irrigation, domestic, industrial, recreational, salinity control	Pend
			19N/04E-05Q	Feather R	1,360 CFS	1/01 - 12/31	Irrigation, domestic, industrial, recreational, salinity control	
			19N/04E-08G	Feather R	1,360 CFS	1/01 - 12/31	Irrigation, domestic, industrial, recreational, salinity control	
14444	8/24/51	Calif Dept Water Res	19N/04E-03D	Feather R	11,000 CFS	1/01 - 12/31	Power	Pend
			19N/04E-05Q	Feather R	3,500,000 AFA	1/01 - 12/31	Power	
			19N/04E-08G	Feather R	11,000 CFS	1/01 - 12/31	Power	
					11,000 CFS	1/01 - 12/31	Power	
14445	8/25/51	Calif Water Commission	19N/04E-03S	Feather R from	2,140 CFS	1/01 - 12/31	Irrigation, domestic, recreational, stockwatering	Pend
			11N/03E-22S	Feather R to	2,140 CFS	1/01 - 12/31	Irrigation, domestic, recreational, stockwatering	
14568	11/06/51	US Plumas Nat Forest	24N/09E-02G	Spanish Cr UT	3,750 GPD	1/01 - 12/31	Domestic	L 06097
14583	11/20/51	Kelly Charles & Ivy Et Al	23N/07E-11E	Haskins Cr UT	0.031 CFS	5/01 - 10/31	Domestic	P 09845
			23N/07E-11F	Haskins Cr UT	0.031 CFS	5/01 - 10/31	Domestic	
14653	1/22/52	South Shore Water Assn	23N/07E-02G	Bucks L UT	1,000 GPD	5/01 - 10/31	Domestic	L 04183
14740	4/04/52	Treichler A E	18N/05E-06M	Fine Gold Gl	0.2 CFS	4/01 - 11/01	Irrigation	L 05273
14760	4/17/52	Rotsel Mabel Palmer	23N/07E-02M	Bucks L UT	1,000 GPD	5/01 - 11/01	Domestic	L 05515
14761	4/17/52	Dorser Charles & Rachel	23N/07E-04S	Bucks L UT	400 GPD	4/15 - 11/01	Domestic	L 05070
14807	5/15/52	Evans Janice B	23N/07E-11E	Haskins Cr UT	300 GPD	4/01 - 11/01	Domestic	L 04942
14808	5/15/52	Hutchinson Foryst & Leona	23N/07E-11E	Haskins Cr UT	200 GPD	4/01 - 11/01	Domestic	L 04941
14809	5/15/52	Daniels W C	23N/07E-11E	Haskins Cr UT	200 GPD	4/01 - 11/01	Domestic	L 04959
14810	5/15/52	Conover Genevieve	23N/07E-11E	Haskins Cr UT	200 GPD	6/01 - 11/01	Domestic	L 05616
14815	5/20/52	US Plumas Nat Forest	24R/09E-06G	Snake L	540 AFA	10/01 - 4/01	Recreational	L 06076
14864	6/18/52	Silverado Area Council BSA	24N/07E-28N	Bucks L Lower UT	4,000 GPD	6/01 - 10/01	Domestic, fire protection	L 06512
14919	7/21/52	Richvale I D	22N/12E-23R	Feather R MF	196,500 AFA	1/01 - 12/31	Irrigation	Pend
			23N/09E-13J	Feather R MF	174,000 AFA	1/01 - 12/31	Irrigation	
			23N/09E-13N	Feather R MF	750 AFA	1/01 - 12/31	Irrigation	
			22N/08E-02S	Feather R MF	1,875 AFA	1/01 - 12/31	Irrigation	
			22N/07E-11G	Feather R MF	375 AFA	1/01 - 12/31	Irrigation	
			21N/06E-11S	Feather R MF	7,500 AFA	1/01 - 12/31	Irrigation	
			19N/03E-33Q	Feather R MF	1,300 CFS	5/01 - 10/31	Irrigation	
14920	7/21/52	Richvale I D	22N/12E-23R	Feather R MF	196,500 AFA	1/01 - 12/31	Power	Pend
			23N/09E-13J	Feather R MF	174,000 AFA	1/01 - 12/31	Power	
			23N/09E-13N	Feather R MF	750 AFA	1/01 - 12/31	Power	
			22N/08E-02S	Feather R MF	1,875 AFA	1/01 - 12/31	Power	
			22N/07E-11G	Feather R MF	375 AFA	1/01 - 12/31	Power	
			21N/06E-11S	Feather R MF	7,500 AFA	1/01 - 12/31	Power	
			21N/06E-35E	Feather R MF	1,300 CFS	1/01 - 12/31	Power	
14957	8/08/52	Quarry Springs Water Assn	23N/07E-04B	Quarry Sp	800 GPD	6/01 - 10/31	Domestic	L 05020
15071	11/03/52	Miller Mark T	27N/07E-31H	Harvey Rv	0.2 CFS	1/01 - 12/31	Domestic, power	L 05288
15111	12/10/52	Bath Angelina	26N/09E-14E	Round Valley Cr UT	1,750 GPD	4/15 - 11/01	Domestic	L 06153
		Rahn Frank J	26N/09E-14F	Round Valley Cr UT	1,000 GPD	4/15 - 11/01	Domestic	
15551	9/25/53	Richvale I D	21N/12E-16S	Frazier Cr	16,000 AFA	10/01 - 5/31	Irrigation	Pend
			23N/13E-02J	Grizzly Cr Big	40,000 AFA	10/01 - 5/31	Irrigation	
15552	9/25/53	Richvale I D	21N/12E-16S	Frazier Cr	16,000 AFA	1/01 - 12/31	Power	Pend
			23N/13E-02J	Grizzly Cr Big	40,000 AFA	1/01 - 12/31	Power	
15567	10/05/53	Wilson Alex E & William	24N/05E-06J	Balsam Cr	2 CFS	5/01 - 12/01	Irrigation, stockwatering	P 10328

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TABLE 3 (continued)

APPLICATIONS TO APPROPRIATE WATER IN FEATHER RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
15570	10/07/53	McIntyre Mary A	26N/10E-17B	Indian Cr	2.5 CFS	5/01 - 9/30	Irrigation	L 07055
15571	10/07/53	McIntyre Mary A Et Al	26N/10E-17B	Indian Cr	2 CFS	4/01 - 9/30	Irrigation	L 07056
15625	12/01/53	Wiley John & Virginia	22N/15E-20D	Feather R MF	50 AFA 1 CFS	3/01 - 4/01 5/25 - 8/15	Irrigation Irrigation	P 10126
15676	1/08/54	US Plumas Nat Forest	27N/11E-03H	Fant Sp	720 GPD	5/01 - 9/30	Irrigation, domestic, stockwatering, fire protection	L 05371
15689	1/18/54	Buck Meadows	26N/08E-04Q	Pliocene Cr	1 CFS	3/01 - 7/01	Mining	L 05253
15748	2/25/54	Pacific Gas & Elec Co	24N/06E-30B	Miller Cr Little	15,000 GPD	1/01 - 12/31	Domestic, fire protection	L 06061
15750	2/26/54	US Plumas Nat Forest	25N/07E-17J	Waller Cr	3,100 GPD	4/01 - 11/30	Domestic	L 05228
15761	3/08/54	Grandi Joseph O & Alma	21N/15E-17E 21N/15E-14R 21N/15E-14G	Smithneck Cr UT Smithneck Cr UT Smithneck Cr UT	1.5 CFS 1.5 CFS 12 AFA 1.5 CFS 12 AFA	3/15 - 10/30 3/15 - 10/30 10/30 - 4/01 3/15 - 10/30 10/30 - 4/01	Irrigation Irrigation Irrigation Irrigation Irrigation	L 06068
16068	9/29/54	Shew Henry K & Velva C	25N/08E-15N	Feather R EB NF UT	150 GPD	1/01 - 12/31	Domestic	L 05901
16151	11/23/54	Drobish Faith Boardman	18N/05E-32G	Lincoln House Rv	350 AFA	9/15 - 6/01	Irrigation, domestic, recreational	P 10611
16154	11/29/54	Pacific Gas & Elec Co	24R/06E-02Q	Milk Ranch Cr	0.33 CFS	1/01 - 12/31	Domestic, fire protection	L 06091
16191	12/30/54	Walker Carl Lee & Elizabeth	18N/03E-22A	Feather R	1.25 CFS	4/15 - 11/01	Irrigation, stockwatering	L 05781
16200	1/12/55	US Plumas Nat Forest	23N/12E-30D	Cub Cr	0.1 CFS	1/01 - 12/31	Domestic, recreational	P 10940
16427	6/20/55	Morris Const Co	23N/07E-02R	Haskins Cr UT	0.06 CFS 0.25 AFA	5/01 - 10/31 5/01 - 5/15	Domestic, fire protection Domestic, fire protection	P 10349
16436	6/23/55	Reason Clyde	23N/11E-13A 23N/11E-13C 23N/11E-13D	Long Valley Cr Long Valley Cr Long Valley Cr	3 CFS 3 CFS 3 CFS	4/01 - 7/15 4/01 - 7/15 4/01 - 7/15	Irrigation, stockwatering Irrigation, stockwatering Irrigation, stockwatering	L 06036
16520	8/12/55	Sierra Bible Camp	27N/08E-33G	Feather R NF UT	0.084 CFS	5/01 - 10/30	Domestic, recreational, fire protection	P 10670
16529	8/17/55	Reiss Louie J	21N/06E-04K 21N/06E-05H	Carter Rv Mountain House Cr UT	6.5 AFA 9,000 GPD	11/01 - 5/01 5/01 - 11/01	Stockwatering, other Stockwatering, other	L 07026
16530	8/17/55	Reiss Louie J	21N/06E-04K	Carter Rv	600 GPD	1/01 - 12/31	Domestic, mining	L 07027
16533	8/19/55	Portola City of	24N/13E-31H 24N/12E-36H	Cow Cr Freeman Cr	920 AFA 350 AFA	11/01 - 6/01 11/01 - 6/01	Municipal Municipal	P 12186
16582	9/06/55	Hicks Charles C & Barbara M	28N/08E-34N	Almanor L UT	4,000 GPD	5/01 - 10/31	Irrigation	L 06631
16583	9/06/55	Kurtz J Cornell & P L	28N/08E-34N	Almanor L UT	6,000 GPD	1/01 - 12/31	Irrigation	P 10536
16724	11/08/55	Dennis Noel P & Birdie L	18N/04E-02C	Wyandotte Cr	1.0 AFA	10/01 - 6/01	Irrigation, domestic, stockwatering	L 07079
16738	11/17/55	Briley John M & Jane A	25N/08E-23H	Vernon Sp	3,700 GPD	1/01 - 12/31	Domestic, fire protection, recreational	L 06830
16813	12/30/55	US Plumas Nat Forest	25N/09E-31E 25N/09E-31L	Wapaunsie Cr UT Wapaunsie Cr UT	3 CFS 100 AFA	11/01 - 6/15 11/01 - 6/15	Recreational, other Recreational, other	P 10655
16910	2/28/56	Walton C A & Dorothy V	23N/14E-20A	Grizzly Cr	140 AFA	11/01 - 6/15	Domestic, stockwatering, fire protection	L 05905
16950	3/20/56	Calif Dept Water Res	23N/13E-02J	Grizzly Cr Big	49,000 AFA	1/01 - 12/31	Irrigation, municipal, recreational, other	Pend
16951	3/20/56	Calif Dept Water Res	27N/12E-22R	Indian Cr	18,000 AFA	10/01 - 6/30	Recreational, other	Pend
16952	3/20/56	Calif Dept Water Res	24N/16E-33B	Last Chance Cr Little	30,000 AFA	11/01 - 6/01	Irrigation, domestic, recreational, stockwatering	Pend
16953	3/20/56	Calif Water Commission	26R/14E-23S	Last Chance Cr	14,300 AFA	1/01 - 12/31	Recreational, other	Pend
16954	3/20/56	Calif Water Commission	25N/13E-30S	Red Clover Cr	8,400 AFA	1/01 - 12/31	Recreational, other	Pend

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(Filed with State Water Rights Board as of April 17, 1966)

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17010	4/17/56	Slaughter Betty E	18N/04E-08L	Wyman Rv	2,880 GPD	3/01 - 11/30	Irrigation	L 06916
17069	5/03/56	Portola City of	23N/13E-30K	Willow Cr	1.8 CFS	1/01 - 12/31	Municipal	P 12282
17074	5/04/56	King Lee N & Mary I	25N/08E-15K	Aka Kings Sp	650 GPD	1/01 - 12/31	Domestic, fire protection	L 06101
17132	6/14/56	Poss Martin A Estate of	24N/07E-33Q	Bucks L UT	400 GPD	5/01 - 11/01	Domestic	L 05918
17160	7/02/56	Rutherford R C	24N/07E-33Q	Bucks L UT	300 GPD	5/15 - 11/01	Domestic	L 05889
17171	7/11/56	Sebak Henry & Della	24N/07E-33Q	Bucks L UT	400 GPD	5/01 - 11/01	Domestic	L 06181
17195	7/20/56	Dinsdale George Jones Dawn M	24N/07E-33Q	Bucks L UT	400 GPD	5/15 - 11/01	Domestic	L 05884
17231	8/10/56	Trall Ralph E & Nell	24N/06E-16D	Jackass Cr	0.031 CFS	5/01 - 12/31	Domestic, other	L 06053
17303	10/03/56	Struckman Henry W & Irene	26N/08E-18K 26N/08E-18K	Clear Cr Owl Cr	2.5 CFS 0.5 CFS	11/01 - 7/01 11/01 - 7/01	Domestic, mining Domestic, mining	P 12796
17314	10/08/56	Wojcik Bronislaw & Marisn	20N/06E-31C	Oregon Gl	4,200 GPD	1/01 - 12/31	Domestic	P 11155
17471	2/20/57	Hyde Phillip J & Ardis K	25N/10E-12K	Indian Cr UT	4,800 GPD	1/01 - 12/31	Domestic, industrial	P 11399
17518	3/20/57	Lawson Larry L & Alicia	25N/09E-26P	Blackhawk Cr Little UT	2,100 GPD	1/01 - 12/31	Domestic	P 11006
17581	5/03/57	Henley N C & Gladys J	25N/07E-20L	Oak Rv	2 CFS	1/01 - 12/31	Domestic, power	P 11242
17739	7/24/57	Hill George & Katherina	20N/15E-30F	Cold Stream UT	1,000 GPD	1/01 - 12/31	Domestic	L 06958
17748	7/31/57	Watson Esther J Detlow	22N/04E-35D	Dark Cn UT	6,000 GPD 6,000 GPD	4/01 - 12/01 1/01 - 12/31	Irrigation Domestic, stockwatering	L 07099
17776	8/16/57	Taylor Jack	25N/09E-26P	Blackhawk Cr Little UT	2,000 GPD	1/01 - 12/31	Domestic, fire protection	L 06014
17832	9/23/57	US Plumas Nat Forest	21N/12E-07H	Graeagle Cr UT	400 GPD	6/01 - 10/31	Domestic	L 06924
17870	11/01/57	Smith James H Et Al	29N/06E-20C 29N/06E-20C	Mosquito Sp Big Mosquito Sp Little	0.5 CFS	1/01 - 12/31	Irrigation	P 11564
17879	11/12/57	Hamilton Jeanie V	17N/05E-24E	Tennessee Cr	125 AFA	11/01 - 4/15	Irrigation, domestic, stockwatering	P 12051
17922	12/18/57	Richards Erol L	23N/07E-04B	Bucks L UT	500 GPD	5/01 - 10/31	Domestic	L 06595
17963	1/28/58	Fitzgerald Erma C	23N/07E-02G	Bucks L UT	200 GPD	6/15 - 10/01	Domestic	L 06601
18002	2/18/58	Doran Alfred J Et Al	26N/10E-04B	Hunts Cn UT	158 GPD	1/01 - 12/31	Domestic	L 06347
18149	5/22/58	Bates Geoffrey L & Mary	27N/08E-10G	Almanor L UT	1,000 GPD	1/01 - 12/31	Domestic	P 11610
18166	6/02/58	Lungstrom Jane B	22N/12E-10G	Feather R MF UT	150 GPD	1/01 - 12/31	Domestic	L 06607
18185	6/17/58	US Plumas Nat Forest	26N/09E-15H	Round Valley L UT	350 GPD	5/01 - 10/30	Domestic, fire protection	L 06281
18307	9/08/58	Hoefler Harry & Dale	26N/09E-36D	Moccasin Cr	10,000 GPD	1/01 - 12/31	Domestic	P 14386
18340	9/24/58	Merian Robert M & M M	21N/08E-25H 21N/08E-25H	Valley Cr UT Valley Cr UT	400 GPD 2 AFA	1/01 - 12/31 11/01 - 5/01	Domestic, fire protection Domestic, fire protection	P 11932
18370	10/10/58	Kauffman Gael F	23N/07E-04H	Bucks L UT	550 GPD	5/01 - 12/30	Domestic	P 12339
18410	11/13/58	Yuba County Water Dist	21N/07E-24J 21N/08E-19Q	Fall R Rock Cr	20,000 AFA 3,000 AFA	11/01 - 5/31 11/01 - 5/31	Irrigation, domestic Irrigation, domestic	Pend
18413	11/14/58	US Plumas Nat Forest	23N/05E-35J	Miller Cr UT	1,000 GPD	5/01 - 12/01	Domestic	L 06885
18742	5/28/59	Sierraville PUD	20N/14E-25C	Bonta Cr Sp Trib	1,600 GPD	1/01 - 12/31	Municipal	P 12177
18844	7/06/59	Calif Dept Water Res	24N/16E-33B	Last Chance Cr Little	20,000 AFA	11/01 - 6/01	Domestic, stockwatering, irrigation, recreational	P 12946
18854	7/13/59	Eggman Eugene E	23N/07E-11G	Haskins Cr UT	300 GPD	6/01 - 11/30	Domestic	L 06756
18968	9/04/59	Abbett Ernest L & A E	24N/07E-33P	Bucks L UT	200 GPD	5/01 - 11/01	Domestic	P 13221
19000	9/23/59	Sierraville PUD	20N/14E-25C	Bonta Cr Sp Trib	0.4 CFS	1/01 - 12/31	Municipal	P 12346

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TABLE 3 (continued)

APPLICATIONS TO APPROPRIATE WATER IN FEATHER RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
19078	11/10/59	Sasabuchi Ralph L & Tim	19N/07E-02C 19N/07E-02C 19N/07E-03G 19N/07E-03H	Grizzly Cr Grizzly Cr Grizzly Cr Grizzly Cr	0.037 CFS 6 AFA 6 AFA 6 AFA	4/01 - 11/01 11/01 - 5/01 11/01 - 5/01 11/01 - 5/01	Irrigation, domestic, recreational Irrigation Irrigation Irrigation	P 13117
19090	11/20/59	Essay Ralph G Et Al	23N/07E-04C	Bucks L UT	400 GPD	4/01 - 12/01	Domestic	P 13222
19121	12/04/59	Compton Glenn R & Dora J	20N/15E-30G 20N/15E-30G	Treasure Spring Cr Treasure Sp	500 GPD 500 GPD	10/01 - 6/01 10/01 - 6/01	Domestic Domestic	P 13930
19232	2/11/60	Boefler Harry & Dale	26N/09E-36D	Moccasin Cr	0.08 CFS	1/01 - 12/31	Domestic	P 14387
19233	2/15/60	Isham Paul H & Maurine	20N/15E-30G 20N/15E-30G	Treasure Spring Cr Treasure Sp	552 GPD 552 GPD	10/01 - 6/01 10/01 - 6/01	Domestic Domestic	P 13931
19239	2/16/60	US Plumas Nat Forest	24N/07E-36K	White Horse Cr WB	16,000 GPD	5/01 - 11/01	Domestic	P 12414
19265	2/16/60	Compton Glenn R & Dora J	20N/15E-30G 20N/15E-30G	Treasure Spring Cr Treasure Sp	550 GPD 500 GPD	10/01 - 6/01 10/01 - 6/01	Domestic Domestic	P 13932
19275	3/01/60	Detlow Esther J Estate of	22N/04E-26P	Dark Cn UT	0.25 CFS	1/01 - 12/31	Irrigation, domestic	P 12665
19416	5/05/60	US Lassen Nat Forest	25N/06E-19E	Morris L	120 AFA	11/01 - 6/01	Other	P 12655
19417	5/05/60	US Lassen Nat Forest	25N/06E-31F	Grassy L	21 AFA	11/01 - 6/01	Other, recreational	P 12656
19418	5/05/60	US Lassen Nat Forest	25N/06E-31C	Saddle L	27 AFA	11/01 - 6/01	Other, recreational	P 12657
19419	5/05/60	US Lassen Nat Forest	25N/06E-30N	Long L	9 AFA	11/01 - 6/01	Other	P 12658
19565	7/21/60	Hennessey George & Margaret	25N/08E-15N	Digger Rv UT	720 GPD	1/01 - 12/31	Domestic	P 12818
19585	7/28/60	US Plumas Nat Forest	26N/15E-15D	Otis Cn UT	900 GPD	1/01 - 12/31	Stockwatering	P 12603
19586	7/28/60	US Plumas Nat Forest	23N/06E-19F	Bear Ranch Cr UT	900 GPD	1/01 - 12/31	Stockwatering	P 12604
19587	7/28/60	US Plumas Nat Forest	24N/14E-10K	Ridge Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12605
19588	7/28/60	US Plumas Nat Forest	27N/13E-25D	Stony Cr Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12606
19589	7/28/60	US Plumas Nat Forest	27N/13E-31H	Chipmunk Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12607
19590	7/28/60	US Plumas Nat Forest	26N/13E-21B	Poison Cr Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12608
19591	7/28/60	US Plumas Nat Forest	24N/15E-09Q	Bear Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12609
19592	7/28/60	US Plumas Nat Forest	23N/14E-05C	Crocker Cut-Off Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12610
19593	7/28/60	US Plumas Nat Forest	24N/15E-26D	Dixie Sp Little	900 GPD	1/01 - 12/31	Stockwatering	P 12611
19594	7/28/60	US Plumas Nat Forest	26N/13E-15C	Doyle Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12612
19595	7/28/60	US Plumas Nat Forest	26N/14E-03K	Mill Cr Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12613
19596	7/28/60	US Plumas Nat Forest	26N/13E-35E	Jenkins #3 Sp	450 GPD	1/01 - 12/31	Stockwatering	P 12614
19597	7/28/60	US Plumas Nat Forest	26N/14E-14G	Granite Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12615
19598	7/28/60	US Plumas Nat Forest	26N/15E-27C	Plinco Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12616
19599	7/28/60	US Plumas Nat Forest	25N/13E-35E	Chase Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12617
19600	7/28/60	US Plumas Nat Forest	24N/15E-08E	Coyote Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12618
19601	7/28/60	US Plumas Nat Forest	25N/14E-23M	Squaw Camp Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12619
19602	7/28/60	US Plumas Nat Forest	26N/15E-23H	Horse Shoe Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12620
19603	7/28/60	US Plumas Nat Forest	24N/14E-14B	Horton Cn Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12621
19604	7/28/60	US Plumas Nat Forest	27N/13E-35C	Juniper Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12622
19605	7/28/60	US Plumas Nat Forest	26N/14E-10M	Fitch Cn Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12623
19606	7/28/60	US Plumas Nat Forest	24N/15E-06G	Mahogany Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12624
19607	7/28/60	US Plumas Nat Forest	25N/14E-06P	Jenkins #2 Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12625
19608	7/28/60	US Plumas Nat Forest	24N/12E-23K	Midway House Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12626

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TABLE 3 (continued)

APPLICATIONS TO APPROPRIATE WATER IN FEATHER RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
19609	7/28/60	US Plumas Nat Forest	26N/15E-22H	Downing Cabin Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12627
19610	7/28/60	US Plumas Nat Forest	26N/15E-15F	Juniper Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12628
19611	7/28/60	US Plumas Nat Forest	27N/13E-35B	Hog Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12629
19612	7/28/60	US Plumas Nat Forest	26N/14E-14D	Johnson Mill Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12630
19613	7/28/60	US Plumas Nat Forest	22N/06E-22A	Spoon Rv Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12631
19614	7/28/60	US Plumas Nat Forest	26N/14E-08B	Lone Sp	2,025 GPD	1/01 - 12/31	Stockwatering	P 12632
19615	7/28/60	US Plumas Nat Forest	25N/13E-15E	Section 15 Sp	1,125 GPD	1/01 - 12/31	Stockwatering	P 12633
19616	7/28/60	US Plumas Nat Forest	26N/15E-23G	East Downing Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12634
19617	7/28/60	US Plumas Nat Forest	25N/13E-11Q	Squaw Suppression Camp Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12635
19618	7/28/60	US Plumas Nat Forest	28N/13E-33Q	Janesville Grade Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12636
19619	7/28/60	US Plumas Nat Forest	26N/12E-28K	Rattlesnake Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12637
19620	7/28/60	US Plumas Nat Forest	27N/13E-34H	Cedar Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12638
19621	7/28/60	US Plumas Nat Forest	26N/13E-02L	Pine Tree Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12639
19622	7/28/60	US Plumas Nat Forest	24N/16E-16H	Galeppi Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12640
19623	7/28/60	US Plumas Nat Forest	26N/13E-08R	Murdock Crossing Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12641
19624	7/28/60	US Plumas Nat Forest	25N/13E-13N	Squaw Valley Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12642
19625	7/28/60	US Plumas Nat Forest	26N/13E-16K	Bass #1 Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12643
19626	7/28/60	US Plumas Nat Forest	25N/13E-35F	South Trough Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12644
19627	7/28/60	US Plumas Nat Forest	22N/07E-19G	Davidson Mine Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12645
19628	7/28/60	US Plumas Nat Forest	26N/13E-26G	Squaw Cr Sp	900 GPD	1/01 - 12/31	Stockwatering	P 12646
19653	8/09/60	Marrs Huston A & Betty H	27N/09E-20P	Hauns Cr	1.7 CFS	1/01 - 12/31	Power	P 12990
19730	9/07/60	Narrah Joseph A Et Al	25N/08E-14L	Feather R EB NF UT	16,000 GPD	1/01 - 12/31	Domestic	P 12871
19750	9/23/60	Gray Robert J	23N/07E-04C	Bucks L UT	150 GPD	5/01 - 10/31	Domestic	P 13241
19821	10/17/60	Gamble Arnold Z & Leona M	18N/05E-29Q	Wilson Cr UT	0.07 CFS 4 AFA	6/01 - 10/01 11/01 - 5/15	Irrigation, stockwatering, recreational, other Irrigation, stockwatering, recreational, other	P 13187
20117	5/09/61	Calif Dept Water Res	27N/12E-22R	Indian Cr	3,400 AFA	10/01 - 6/30	Recreational, domestic, other	P 14588
20300	7/14/61	Johnson Charles F & L A	20N/03E-10K	Dry Cr UT	1 CFS	3/01 - 11/01	Irrigation	P 13387
20301	7/14/61	Parker Earl H & Helen A	20N/03E-10A	Dry Cr UT	0.38 CFS	3/01 - 11/01	Irrigation	P 13388
20303	7/14/61	Howe Merle A	23N/07E-01E	Bucks L UT	793 GPD	5/01 - 11/30	Domestic	P 13390
20383	9/07/61	Wheelock L E & Vine	21N/04E-30P	Sawmill Rv UT	0.25 CFS	1/01 - 12/31	Irrigation, domestic, stockwatering	P 13750
20403	9/21/61	Scharnweber M L & Donna D	23N/11E-15F	Poplar Cr	12 CFS	1/01 - 12/31	Irrigation, other	P 14191
20429	10/06/61	US Lassen Nat Forest	25N/04E-10E	Feather R WB UT	7,200 GPD	5/01 - 11/30	Irrigation, domestic, fire protection	P 13430
20432	10/10/61	Keables Earl C & L M	26N/11E-35P	Indian Cr UT	5,860 GPD	1/01 - 12/31	Domestic, stockwatering	P 13824
20468	11/06/61	Pillon Louise & Andrew	23N/07E-01E	Bucks L UT	300 GPD	5/01 - 10/31	Domestic	P 13751
20786	5/22/62	Krause C W & Belle	23N/07E-11M	Haskins Cr Sp Trib	300 GPD 300 GPD	4/01 - 7/01 10/01 - 12/01	Domestic, fire protection Domestic, fire protection	P 14328
20806	6/06/62	Cameron George & Dorothy	20N/05E-17D	Canyon Cr	0.38 CFS	1/01 - 12/31	Irrigation, domestic	P 13920
20807	6/06/62	Barlow Norman L & Millicent P	20N/05E-17D	Canyon Cr	0.38 CFS	1/01 - 12/31	Irrigation, domestic	P 13921

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(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date* Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
20852	7/12/62	US Plumas Nat Forest	25N/08E-15Q	Kingsbury Rv Sp Trib	1,440 GPD	1/01 - 12/31	Domestic	P 13951
20868	7/23/62	Mitchell Louis A	20N/07E-36E	Grizzly Cr	49 AFA	10/01 - 6/01	Domestic	P 14389
20875	7/27/62	Bender Richard & Nilda	23N/07E-02G	Naskins Cr UT	330 GPD	1/01 - 12/31	Domestic	P 14175
20911	8/27/62	Dreisbach Frank M Jr & Carol E	20N/07E-35Q	Grizzly Cr	76 AFA	12/01 - 2/28	Recreational	P 14297
20978	10/15/62	Vanornum John Nenry Et Al	26N/10E-26R	Foreman Rv Sp Trib	16,000 GPD	1/01 - 12/31	Domestic	P 14354
21083	12/14/62	US Lassen Nat Forest	25N/05E-22H	Spring Valley L	34 AFA	11/01 - 6/30	Recreational, other	P 14154
21155	2/08/63	Marin County Council GSA	20N/14E-24R	Bonta Cr	0.05 CFS 40 AFA	12/01 - 3/15 12/01 - 3/15	Recreational Recreational	P 14661
21197	3/20/63	Wattenburg W R & Terry	26N/09E-03R	Wolf Cr UT	5,000 GPD 6 AFA	1/01 - 12/31 10/15 - 5/01	Domestic, recreational, fire protection Domestic, recreational, fire protection	P 14303
21216	4/01/63	Welch Carl Sheller Kenneth W	23N/13E-34Q	Humbug Cr	49 AFA	10/01 - 5/30	Recreational	Pend
21295	5/29/63	US Plumas Nat Forest	24N/12E-09Q	Blakeless Sp No 2	1,600 GPD	6/01 - 10/31	Stockwatering	P 14364
21296	5/29/63	US Plumas Nat Forest	24N/13E-09K	Chase Enclosure Sp No 2	1,600 GPD	6/01 - 10/31	Stockwatering	P 14365
21297	5/29/63	US Plumas Nat Forest	24N/13E-09N	Chase Enclosure Sp No 1	1,600 GPD	6/01 - 10/31	Stockwatering	P 14366
21304	5/29/63	US Plumas Nat Forest	24N/14E-05J	Bulson Sp No 3	1,600 GPD	6/01 - 10/31	Stockwatering	P 14367
21305	5/29/63	US Plumas Nat Forest	24N/14E-04H	Bulson Sp No 2	1,600 GPD	6/01 - 10/31	Stockwatering	P 14368
21306	5/29/63	US Plumas Nat Forest	24N/14E-03K	Bulson Sp No 1	1,600 GPD	6/01 - 10/31	Stockwatering	P 14369
21307	5/29/63	US Plumas Nat Forest	24N/12E-16F	Blakeless Sp No 4	1,600 GPD	6/01 - 10/31	Stockwatering	P 14370
21308	5/29/63	US Plumas Nat Forest	24N/12E-10R	Blakeless Sp No 1	1,600 GPD	6/01 - 10/31	Stockwatering	P 14371
21312	5/29/63	US Plumas Nat Forest	26N/15E-36P	Big Buck Sp	1,700 GPD	5/01 - 10/31	Domestic, stockwatering	P 14372
21313	5/29/63	US Plumas Nat Forest	26N/15E-31A 26N/15E-31H	Headquarters Sp No 1 Headquarters Sp Nos 2 & 3	3,000 GPD 3,000 GPD	5/01 - 10/31 5/01 - 10/31	Domestic, stockwatering Domestic, stockwatering	P 14373
21314	5/29/63	US Plumas Nat Forest	23N/16E-07D	Trosi Canyon Sp	1,700 GPD	5/15 - 10/15	Domestic, stockwatering, recreational	P 14244
21316	5/29/63	US Plumas Nat Forest	25N/13E-15D	Big Pine Sp	3,100 GPD	6/01 - 10/31	Domestic, stockwatering	P 14374
21317	5/29/63	US Plumas Nat Forest	26N/13E-27H	Cedar Canyon Sp	900 GPD	6/01 - 10/31	Domestic, stockwatering	P 14375
21361	6/25/63	Frates Joseph J & Mary Ann	25N/07E-19N	Fern Cn	4,500 GPD	1/01 - 12/31	Irrigation, domestic	Pend
21440	8/22/63	Dwyer Bill & Marian J	23N/11E-07B	Estray Cr Sp Trib	2,000 GPD	1/01 - 12/31	Domestic, fire protection	P 14485
21443	8/23/63	Calif Dept Water Res	23N/13E-02J	Big Grizzly Cr	34,000 AFA	1/01 - 12/31	Irrigation, domestic, other	Pend
21681	3/09/64	US Lassen Nat Forest	29N/06E-19N	Domingo Sp	2,200 GPD	5/01 - 11/30	Domestic	Pend
21682	3/09/64	US Lassen Nat Forest	26N/06E-05Q	Little Grizzly Sp	500 GPD	5/01 - 11/30	Domestic	Pend
21725	4/03/64	Vail Stanley L	23N/12E-18N	Cromberg Sp	200 GPD	1/01 - 12/31	Domestic	Pend
21839	7/08/64	Bates Earl B & Minnie	27N/11E-31K	Lights Cr Sp Trib	8,000 GPD	1/01 - 12/31	Irrigation, domestic	Incl
21842	7/09/64	Bucks Lake Summer Water Assn	23N/07E-02G	Haskins Cr UT	730 GPD	1/01 - 12/31	Domestic	Pend
21864	8/05/64	Wattenburg W N	26N/09E-14F	Round Valley Res Sp Trib	7,000 GPD	1/01 - 12/31	Domestic, fire protection	Pend
21879	8/25/64	Martinson Glenn O & Doris	19N/06E-04D	Feather R SF Sp Trib	0.13 CFS	1/01 - 12/31	Irrigation, domestic	Pend

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APPLICATIONS TO APPROPRIATE WATER IN FEATHER RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of April 17, 1966)

Application Number	Date Filed	Present Owner	Point of Diversion	Source	Amount	Period of Diversion	Purpose	Status*
22035	2/03/65	County of Butte	22N/06E-27K	Feather R Little NF	160,000 AFA	1/01 - 12/31	Power, other	Incl
			22N/05E-35Q	French Cr	400,000 AFA	1/01 - 12/31	Power, other	
			21N/05E-10M	Feather R NF	300,000 AFA	1/01 - 12/31	Power, other	
			20N/05E-17R	Canyon Cr	10,000 AFA	1/01 - 12/31	Power, other	
			20N/05E-32G	Feather R	2,500,000 AFA	1/01 - 12/31	Power, other	
22036	2/03/65	County of Butte	22N/06E-27K	Feather R Little NF	160,000 AFA	1/01 - 12/31	Irrigation, other	Incl
			22N/05E-35Q	French Cr	400,000 AFA	1/01 - 12/31	Irrigation, other	
			21N/05E-10M	Feather R NF	300,000 AFA	1/01 - 12/31	Irrigation, other	
			20N/05E-17R	Canyon Cr	10,000 AFA	1/01 - 12/31	Irrigation, other	
			20N/05E-32G	Feather R	2,500,000 AFA	1/01 - 12/31	Irrigation, other	

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CHAPTER III. LAND USE

The present use of land in the Feather River Hydrographic Unit was surveyed in 1963. As part of this survey, irrigated lands, dry-farmed lands, urban lands, recreational lands, naturally high water table lands, and native-vegetation lands were located and identified on maps.

A description of the methods and procedures followed in the survey and in processing the data appears in Appendix A. The results of the land use survey are summarized in Table 4. The acreages in the table include land used for roads, ditches, building and storage areas, and miscellaneous rights-of-way, which occur within the mapped areas.

During the survey, each irrigated parcel was identified with its particular water supply, either ground water or one of the surface water diversions described in Chapter II. From this information the acreage of each crop and of fallow or idle land associated with each water supply was determined. These acreages are given in Table 5.

Figures showing the type of land use identified in the survey and an explanation of the land use symbols are presented in Chapter V.

The information on land use serves as a basis for projection of future land use, from which future water requirements can be estimated.

TABLE 4
LAND USE IN
FEATHER RIVER HYDROGRAPHIC UNIT, 1963
(In acres)

Subunit and County	Irrigated lands	Naturally high water table lands		Dry-farmed lands	Urban lands	Recreational lands	Native vegetation	Total
		Meadowlands	Marsh lands					
Almanor								
Lassen County	5,878	1,103	124	0	475	133	105,828	113,541
Plumas County	2,683	2,215	29	0	750	1,458	178,587	185,722
Shasta County	0	0	0	0	0	0	13,019	13,019
Total	8,561	3,318	153	0	1,225	1,591	297,434	312,282
American Valley								
Plumas County	4,018	281	45	116	1,109	135	112,124	117,828
Canyon								
Butte County	728	89	0	51	454	112	126,384	127,818
Plumas County	0	251	0	0	30	327	90,735	91,343
Total	728	340	0	51	484	439	217,119	219,161
Cascade								
Butte County	58	29	0	10	102	49	59,907	60,155
Plumas County	29	51	0	0	7	0	172,172	172,259
Total	87	80	0	10	109	49	232,079	232,414
Dixie								
Lassen County	0	0	0	0	0	0	1,511	1,511
Plumas County	2,288	5,794	0	0	1	8	198,287	206,378
Total	2,288	5,794	0	0	1	8	199,798	207,889
Grizzley Valley								
Plumas County	3,185	1,153	11	374	706	503	166,440	172,372
Sierra County	0	74	0	0	0	23	15,913	16,010
Total	3,185	1,227	11	374	706	526	182,353	188,382
Honcut Creek								
Butte County	4,833	27	0	449	2,884	3	57,938	66,134
Yuba County	395	19	0	36	11	0	22,231	22,692
Total	5,228	46	0	485	2,895	3	80,169	88,826
Indian Valley								
Lassen County	0	0	0	0	0	0	1,755	1,755
Plumas County	10,358	544	111	128	514	63	250,947	262,665
Total	10,358	544	111	128	514	63	252,702	264,420
Red Hill								
Butte County	0	0	0	0	0	0	456	456
Plumas County	1,468	732	39	12	258	206	225,392	228,107
Total	1,468	732	39	12	258	206	225,848	228,563
Sierra Valley								
Lassen County	0	0	0	0	0	0	1,705	1,705
Plumas County	22,412	301	21	10,478	105	114	145,380	178,811
Sierra County	17,735	275	0	6,049	420	75	130,705	155,259
Total	40,147	576	21	16,527	525	189	277,790	335,775
South Fork								
Butte County	50	44	0	5	273	59	61,325	61,756
Plumas County	0	2	0	0	0	0	38,822	38,824
Yuba County	35	0	0	0	72	6	1,766	1,879
Total	85	46	0	5	345	65	101,913	102,459
West Branch								
Butte County	303	136	0	7	687	74	106,753	107,960
Plumas County	0	0	0	0	0	0	657	657
Total	303	136	0	7	687	74	107,410	108,617
SUMMARY:								
Butte	5,972	325	0	522	4,400	297	412,763	424,279
Lassen	5,878	1,103	124	0	475	133	110,799	118,512
Plumas	46,441	11,324	256	11,108	3,480	2,814	1,579,543	,654,966
Shasta	0	0	0	0	0	0	13,019	13,019
Sierra	17,735	349	0	6,049	420	98	146,618	171,269
Yuba	430	19	0	36	83	6	23,997	24,571
TOTAL	76,456	13,120	380	17,715	8,858	3,348	2,286,739	2,406,616

TABLE 5
IRRIGATED LANDS
1963, (In acres)

Diversion or other sources serving irrigated lands		Pasture			Orchard			Grain & hay crops	Misc.	Total lands irrigated	Irrigated idle or fallow	Total
Diversion location	Diversion name or owner	Alfalfa & mixed	Native	Induced high water table	Deciduous	Orange	Olives					
ALMANOR SUBUNIT												
MDB&M												
D27N/10E-06F1	Stroing O J		516							516		516
D28N/06E-12B1	Collins Pioe Co Stover C F Estate of			1,056						1,056		1,056
D28N/07E-05P1	Owens Carroll			283						283		283
D28N/07E-06J1	Martin Edith			265						265		265
D28N/07E-06J2	Herrington Earl			532						532		532
D28N/08E-27L1	Salem Nose & Carl O		27							27		27
D28N/09E-10A1	Shasta Forests Co		490	3,236						3,726		3,726
D28N/09E-27P1	Shasta Forests Co		285							285		285
D28N/09E-29A1	Shasta Forests Co		328							328		328
D29N/05E-17H1	Lee May I			11						11		11
D29N/05E-18H1	Lee May I			33						33		33
D29N/05E-23H1	Frost Barbara H		109	97						206		206
D29N/06E-09B1	Lee May I & Donald K Joe N Jr & Winifred			27						27		27
D29N/06E-11G1	Hust William L			34						34		34
D29N/06E-20C1	Lee Winifred N			13						13		13
D29N/07E-28N1	Stover C F Estate of			104						104		104
D29N/07E-31G1	Peterson Wayne L			23						23		23
D29N/09E-20H1	Shasta Forests Co		259							259		259
D29N/09E-21H1	McKenzie Aboer		570							570		570
D29N/09E-24R1	McKenzie Abner		96							96		96
D29N/09E-25G1	McKenzie Abner		98							98		98
D30N/06E-19P1	Lee May I & Donald K Joe N Jr			11						11		11
D30N/06E-32A1	Lee May I & Donald K Joe N Jr			58						58		58
Total Almanor Subunit		0	2,778	5,783	0	0	0	0	0	8,561	0	8,561
Lassen County Portion		0	2,642	3,236	0	0	0	0	0	5,878	0	5,878
Shasta County Portion		0	0	0	0	0	0	0	0	0	0	0
Plumas County Portion		0	136	2,547	0	0	0	0	0	2,683	0	2,683
AMERICAN VALLEY SUBUNIT												
D24N/08E-09N1	Weeks Estate		5							5		5
D24N/08E-15A1	Meadow Valley Lumber Co			69						69		69
D24N/08E-15A2	Wilson Dick			8						8		8
D24N/08E-15E1	Meadow Valley Lumber Co			34						34		34
D24N/08E-16R1	Burney Mrs R E			24						24		24
D24N/08E-21J1	Spurrier Howard A			1						1		1
D24N/08E-22P1	Meadow Valley Wtr Wks	47	17	106						170		170
D24N/08E-23L1	Stratton Trevor Stratton Ima			108						108		108
D24N/08E-24M1	Stratton Trevor Stratton Ima			11						11		11
D24N/08E-29B1	Mathis Newton Starr Louis	3								3		3
D24N/08E-29B2	Starr Louie		2							2		2

For lettered footnotes, see last page of table.

TABLE 5 (Continued)
IRRIGATED LANDS
1963, (In acres)

Diversion or other sources serving irrigated lands		Pasture			Orchard			Grain & hay crops	Misc.	Total lands irrigated	Irrigated idle or fallow	Total
Diversion location	Diversion name or owner	Alfalfa & mixed	Native	Induced high water table	Deciduous	Orange	Olives					
				AMERICAN VALLEY SUBUNIT (Continued)								
MDB&M												
D24N/09E-10Q1	Leonhardt Ernest G & Barbara Noberti Elmer & Josephine		4	10						14		14
D24N/09E-12A1	Bresciani A P			169						169		169
D24N/09E-12N1	Bedell Charlea T		8	317						325		325
D24N/09E-14B1	Leonhardt Ernest G			454						454		454
D24N/09E-15G1	Monlux Armand			119						119		119
D24N/09E-16A1	Leonhardt Ernest G & Barbara Noberti Elmer & Josephine		15	109						124		124
D24N/09E-17B1	Bellamy C W			223						223		223
D24N/10E-04J1	Nordt Ranch			10						10		10
D24N/10E-06M1	Galeppi Frank D			11				17		28		28
D24N/10E-07D1	Bresciani A P	23		37						60		60
D24N/10E-08E1	Galippi John M			240						240		240
D24N/10E-08N1	Galippi John M			43						43		43
D24N/10E-09A1	Nordt Ranch			7						7		7
D24N/10E-16C1	Galippi John M	5	28	24						57		57
D24N/10E-16J1	Jeskey Nobin N & Amelia	2		6	2					10		10
D24N/10E-16L1	Leonhardt Ernest G			27						27		27
D24N/10E-16Q1	Leonhardt Ernest G	15		205						220		220
D24N/10E-18D1	Galeppi Frank O	14		112						126		126
D24N/10E-18D2	Galeppi Frank O	5		29						34		34
D24N/10E-19L1	Clarke N F Weldon W Meadow Valley Lumber Co	48		652						700		700
D24N/10E-19N1	Vieira Joe Tyler Margret			18						18		18
D24N/10E-19R1	Crawford Nobert M & Eunice		13							13		13
D24N/10E-20K1	Ramelli Dave	13		447						460		460
D24N/10E-22G1	Viera M E Jeska Amelia	1		95	2					98		98
Surface Water		176	92	3,725	4	0	0	17	0	4,014	0	4,014
Ground Water		0	0	0	0	0	0	0	4	4	0	4
Total American Valley Subunit (Plumaa County Only)		176	92	3,725	4	0	0	17	4	4,018	0	4,018
					CANYON SUBUNIT							
O19N/06E-06F1	Palermo Canal Oroville-Wyandotte I D		31		40[a]	173[b]	143			387		387
D20N/04E-09C1	Hendricks E W			13						13		13
D20N/05E-02H1	Haase G W		24							24		24
D20N/05E-18F1	Kamp Frank L		7							7		7
D20N/05E-18Q1	Kamp Frank L		44							44		44
D21N/05E-25B1	Lindmeir G W Zink Don		56							56		56
D21N/05E-27E2	Berry Creek Water Users Inc	6	140							146		146

For lettered footnotes, see last page of table.

TABLE 5 (Continued)
IRRIGATED LANDS
1963, (In acres)

Diversion or other sources serving irrigated lands		Pasture			Orchard			Grain & hay crops	Misc.	Total lands irrigated	Irrigated idle or fallow	Total
Diversion location	Diversion name or owner	Alfalfa & mixed	Native	Induced high water table	Deciduous	Orange	Olives					
CANYON SUBUNIT (Continued)												
MDB&M												
D21N/05E-31A1	Leon Ralph Mrs				10					10		10
D21N/06E-08B1	Reiss Louis J & Pealein				2					2		2
D22N/04E-16H1	Concow Res Table Mtn I D Thermalito I D	8					5			13	4	17
D22N/05E-22L1	Hughes Alta		17							17		17
D22N/05E-34A1	Nelson Victor L		5							5		5
Total Canyon Subunit (Butte County Only)		14	324	13	52	173	148	0	0	724	4	728
CASCADE SUBUNIT												
D21N/06E-04J1	Reiss Louis J			11	5					16		16
D21N/06E-10G1	Smith Hood		14							14		14
D21N/06E-16C1	Phillips Douglas				4					4		4
D21N/06E-17B1	Seater Marian C Mrs		14							14		14
D21N/06E-28P1	Johnson		8		2					10		10
D23N/10E-04Q1	Egbert Harvey W			29						29		29
Total Cascade Subunit		0	36	40	11	0	0	0	0	87	0	87
Plumas County Portion		0	0	29	0	0	0	0	0	29	0	29
Butte County Portion		0	36	11	11	0	0	0	0	58	0	58
DIXIE SUBUNIT												
D24N/14E-04H1	Westover Co			863						863		863
D24N/14E-07J1	Westover Co			171						171		171
D24N/14E-08D1	Westover Co			319						319		319
D24N/14E-09N1	Westover Co			130						130		130
D25N/15E-12A1	Rowland Eugene A		76[c]	18						94		94
D25N/15E-12A2	Rowland Eugene A		46[c]							46		46
D25N/15E-12N1	Rowland Eugene A			38						38		38
D25N/15E-13F2	Rowland Eugene A			46						46		46
D25N/16E-08Q1	Hall Marietta Hall Phillip S			129						129		129
D26N/13E-13E1	Humphrey Jack W			23						23		23
D26N/14E-26C1	Humphrey Jack W			7						7		7
D26N/14E-26F1	Humphrey Jack W			44						44		44
D26N/14E-27G1	Humphrey Jack W			26						26		26
D26N/15E-29Q1	US Plumas Nat Forest			88						88		88
D26N/15E-31C1	US Plumas Nat Forest			142						142		142
D26N/15E-33C1	Joy Al			23						23		23
D27N/13E-27L1	Harwood Claude & Lavenia			53						53		53
D27N/14E-32E1	Harwood Claude & Lavenia			46						46		46
Total Dixie Subunit (Plumas County Only)		0	122	2,166	0	0	0	0	0	2,288	0	2,288

For lettered footnotes, see last page of table.

TABLE 5 (Continued)
IRRIGATED LANDS
1963, (In acres)

Diversion or other sources serving irrigated lands		Pasture			Orchard			Grain & hay crops	Misc.	Total lands irrigated	Irrigated idle or fallow	Total
Diversion location	Diversion name or owner	Alfalfa & mixed	Native	Induced high water table	Deciduous	Orange	Olives					
				GRIZZLY VALLEY SUBUNIT								
MDB&M												
D21N/12E-01G1	Evans Nerman			17						17		17
D21N/12E-01G2	Evans Herman			71						71		71
D21N/13E-05J1	Carmichael Frank			481						481		481
D21N/13E-05L1	Evans Lena Mrs			155						155		155
D21N/13E-06E1	McKenzie Guest Ranch			54						54		54
D21N/13E-06E2	Evans Herman			60						60		60
D21N/13E-06E3	Carmichael Frank	7		329						336		336
D21N/13E-06K1	McKenzie Guest Ranch			78						78		78
D21N/13E-06M1	McKenzie Guest Ranch			8						8		8
D21N/13E-06M3	McKenzie Guest Ranch			10						10		10
D22N/11E-01E1	Uhart Gene Uhalde John			5						5		5
D22N/11E-12E1	Uhart Gene Uhalde John			12						12		12
D22N/11E-36F1	Lundy C A			41						41		41
D22N/12E-12C1	Giudici Louis			13						13		13
D22N/12E-12K1	Giudici Louis			6						6		6
D22N/12E-21K1	Graeagle Land & Water Co			116						116		116
D22N/12E-23M1	Graeagle Land & Water Co			79						79		79
D22N/12E-26Q1	Pac Gas & Elec Co			178						178		178
D22N/12E-26Q2	Pac Gas & Elec Co			55						55		55
D22N/13E-06H1	Urrutie Joe			20						20		20
D22N/13E-06L1	Urrutia Joe			133						133		133
D23N/11E-12F1	Reason Clyde			41						41		41
D23N/11E-13A1	Reason Clyde			46						46		46
D23N/11E-13C1	Reason Clyde			44						44		44
D23N/11E-13D1	Reason Clyde		9	151						160		160
D23N/11E-13R1	Haddick Ruth D		15[c]							15		15
D23N/11E-15F1	Scharnweber M L & Donna D			24						24		24
D23N/11E-15Q1	Giudici Louis			19						19		19
D23N/11E-28D1	Giudici Louis			61						61		61
D23N/12E-07N1	Haddick Ruth D			49						49		49
D23N/13E-13F1	Carmichael Roy C			32						32		32
D23N/13E-14J1	Carmichael Roy C			24						24		24
D23N/13E-26B1	Carmichael Roy C			142						142		142
D23N/13E-27H1	Carmichael Roy C			55						55		55
D23N/13E-27K1	Urrutia Joe			50						50		50
D23N/13E-31R1	Urrutia Joe			181						181		181
D23N/14E-17R1	Ramelli Jane		276							276		276
D23N/14E-20A2	Vallierde Andy		38							38		38
Total Grizzly Valley Subunit (Plumas County Only)		7	338	2,840	0	0	0	0	0	3,185	0	3,185

For lettered footnotes, see last page of table.

TABLE 5 (Continued)
IRRIGATED LANDS
1963, (In acres)

Diversion or other sources serving irrigated lands		Pasture			Orchard			Grain & hay crops	Misc.	Total lands irrigated	Irrigated idle or fallow	Total
Diversion location	Diversion name or owner	Alfalfa & mixed	Native	Induced high water table	Deciduous	Orange	Olives					
				HONCUT CREEK SUBUNIT								
MDB&M												
D17N/05E-05F1	Drobish Faith B		18							18		18
D17N/05E-24M1 Import	Browns Valley Ditch Browns Valley I D	38								38		38
D17N/06E-08M1 Import	Yuba Investment Co		208				106			314		314
D18N/05E-06M1	Clemes Irene L						8			8		8
D18N/05E-13H1	Brand Joseph L	9								9		9
D18N/05E-13K1	Aldrich Harry L	5								5		5
D18N/05E-13R1	Crowder William L & Helen L		24							24		24
D18N/05E-32K1	Drobish Faith B		24			35[d]	7			66		66
D18N/05E-36D1	Jameson Rex F	19								19		19
D19N/05E-31C1	Rutherford J W		21							21		21
D19N/06E-06F1	Palermo Canal Oroville-Wyandotte I D	148	682[e]		88[f]	242[g]	3,507[h,j]		3	4,670	16	4,686
Surface Water		219	977	0	88	277	3,628	0	3	5,192	16	5,208
Ground Water		20	0	0	0	0	0	0	0	20	0	20
Total Honcut Creek Subunit		239	977	0	88	277	3,628	0	3	5,212	16	5,228
Butte County Portion		182	745	0	88	277	3,522	0	3	4,817	16	4,833
Yuba County Portion		57	232	0	0	0	106	0	0	395	0	395
				INDIAN VALLEY SUBUNIT								
D25N/11E-01E1	Wilbur Mrs Kathleen	11	36							47		47
D25N/11E-04F1	Story Harold B			34						34		34
D25N/11E-07P1	Newcomb David B		12							12		12
D25N/11E-15C1	Story Harold B			94						94		94
D25N/11E-15H2	Story Harold B			62						62		62
D25N/11E-17B1	Story Harold B			34						34		34
D25N/11E-17P1	Story Harold B			95						95		95
D25N/12E-06G1	Dickerson C C			85						85		85
D26N/09E-01D1	Duensinger D			440						440		440
D26N/09E-02B1	Dodge J			89						89		89
D26N/09E-02J1	Fredrickson C G			672						672		672
D26N/09E-17H1	Berry Rothel			57						57		57
D26N/09E-24F1	Sorsoli Water Co	3								3		3
D26N/10E-01E1	Smith Fred			122						122		122
D26N/10E-01K1	Stickel James E			371						371		371
D26N/10E-04D1	McIntyre Cecil		4	299						303		303
D26N/10E-05N1	Wheelock L E			715						715		715
D26N/10E-06Q1	Sheehan N			172						172		172
D26N/10E-11H1	Richards Thomas			182						182		182
D26N/10E-11J1	Richards Thomas			106						106		106
D26N/10E-12B2	Foor Earl			100						100		100
D26N/10E-12P2	Foor Earl			138						138		138
D26N/10E-14A1	Cliff Walter E			273						273		273
D26N/10E-17B1	McIntyre Cecil			144						144		144
D26N/10E-17H1	Neer B C & F C			291						291		291

For lettered footnotes, see last page of table.

TABLE 5 (Continued)
IRRIGATED LANDS
1963, (In acres)

Diversion or other sources serving irrigated lands		Pasture			Orchard			Grain & hay crops	Misc.	Total lands irrigated	Irrigated idle or fallow	Total
Diversion location	Diversion name or owner	Alfalfa & mixed	Native	Induced high water table	Deciduous	Orange	Olives					
INDIAN VALLEY SUBUNIT (Continued)												
MDB&M												
D26N/10E-19B1	Napp Kenneth		111	75						186		186
D26N/10E-23A1	Bainbridge C			71						71		71
D26N/10E-24A1	Cliff Walter E			18						18		18
D26N/10E-24L1	Hohnecker Opal			69						69		69
D26N/10E-30M1	Yanez Marion			81						81		81
D26N/10E-34E1	Viacava A E			32						32		32
D26N/10E-35D1	Openshaw Gerald			355						355		355
D26N/10E-35F1	Millrace Ditch Hardgrave L E & J A Bates E V Hale Jerry F Neer B C Brown S F Estate of Brown Fletcher Johnson Gary Tuscani Bros Sobrero Paul Osmeyer George Wheelock L E & Nellie Hannan Bros Openshaw Gene Yanez Marion Sheehan A J & C J Young C E			3,858						3,858		3,858
D26N/11E-08N1	Peter James B			199						199		199
D26N/12E-32M1	Garr Mrs Kathleen Wilbur	61		177						238		238
D27N/09E-18H1	Anderson David J		17							17		17
D27N/09E-25L1	Mc Keen A E		19							19		19
D27N/10E-35B1	Schlagel Henry			213						213		213
D27N/11E-31D1	Foland Maurice & Ellen Foor Earl			162						162		162
D27N/11E-31L1	Defanti Ralph & Elvezia Smith Fred			160						160		160
Surface Water		75	199	10,045	0	0	0	0	0	10,319	0	10,319
Ground Water		0	0	39	0	0	0	0	0	39	0	39
Total Indian Valley Subunit (Plumas County Only)		75	199	10,084	0	0	0	0	0	10,358	0	10,358
RED HILL SUBUNIT												
D25N/09E-21J1	English Properties Inc			21						21		21
D25N/09E-28L1	Galeppi Frank & John			7						7		7
D26N/06E-01C1	Lemm Franklin F Estate of			259						259		259
D27N/06E-03D1	Baccala Bros			497						497		497
D27N/06E-13E1	Hope Norman			76						76		76
D27N/06E-14A1	Baccala Bros			9						9		9
D27N/06E-14L1	Baccala Bros			28						28		28
D27N/06E-14L2	Baccala Bros			6						6		6
D27N/06E-34H1	Pac Gas & Elec Co			538						538		538
D27N/07E-19C1	Hope Norman			27						27		27
Total Red Hill Subunit (Plumas County Only)		0	0	1,468	0	0	0	0	0	1,468	0	1,468

For lettered footnotes, see last page of table.

TABLE 5 (Continued)
IRRIGATED LANDS
1963, (In acres)

Diversion or other sources serving irrigated lands		Pasture			Orchard			Grain & hay crops	Misc.	Total lands irrigated	Irrigated idle or fallow	Total
Diversion location	Diversion name or owner	Alfalfa & mixed	Native	Induced high water table	Deciduous	Orange	Olives					
				SIERRA VALLEY SUBUNIT								
MDB&M												
D20N/14E-01E1	Webber G D			565						565		565
D20N/14E-01H1	Torri E A & Sons			388						388		388
D20N/14E-01N1	Small Frank M			391						391		391
D20N/14E-02B1	Wilson Bros			111						111		111
D20N/14E-02M1	Martinetti Delis H			473						473		473
D20N/14E-02M2	Webber G D & Edith M			252						252		252
D20N/14E-03L1	Church Gordon			317						317		317
D20N/14E-04D1	Church Gordon Turner Frank			355						355		355
D20N/14E-04F1	Church Gordon			150						150		150
D20N/14E-04P1	Cavitt J H			130						130		130
D20N/14E-04R1	Cavitt J H			217						217		217
D20N/14E-09K1	Strang Arthur E			101						101		101
D20N/14E-10K1	Strang Arthur E			476						476		476
D20N/14E-12P1	Wilson Bros			158						158		158
D20N/14E-12R1	Bony F G			408						408		408
D20N/14E-13A1	Carmichael Francis			12						12		12
D20N/14E-13K1	Goodrich Chance Johnson Lauren McKinney J Webber G D			93						93		93
D20N/14E-13K2	Webber G D			172						172		172
D20N/14E-13Q1	Webber G D			92						92		92
D20N/14E-14K1	Amodei John			231						231		231
D20N/14E-15A1	Maddalena Louie			493						493		493
D20N/14E-23R1	McKinney Jim			65						65		65
D20N/14E-24B1	Pitchfork Cattle Co			212						212		212
D20N/14E-24J1	Webber G D & Edith M			344						344		344
D20N/15E-07D1	Alpers P A			267						267		267
D20N/15E-17F1	Webber G D			223						223		223
D20N/15E-17K1	Webber G O			147						147		147
D20N/15E-19N1	Johnson Alden			31						31		31
D20N/15E-20C1	Campbell Hot Springs			232						232		232
D20N/15E-30G1	Morgan Jack			3						3		3
D20N/16E-25E1	Lindquist Mrs			14						14		14
D21N/14E-01C1	Terhel Farms Inc			280						280		280
D21N/14E-01D1	Terhel Farms Inc			202						202		202
D21N/14E-02H1	Matley Bros			143						143		143
D21N/14E-11G1	Terbel Farms Inc			2,629						2,629		2,629
D21N/14E-13M2	Terbel Farms Inc		1	1,308						1,309		1,309
D21N/14E-19H1	Borelli A J			166						166		166
D21N/14E-20L1	Marcus William J			324				45		369		369
D21N/14E-21R1	Van Vleck Gordon K			38						38		38
D21N/14E-22N1	Van Vleck Gordon K			436						436		436
D21N/14E-23H1	Vanetti Alice			186						186		186
D21N/14E-23Q1	Mello Joseph			126						126		126
D21N/14E-26K1	Pasquetti Bob			464						464		464

For lettered footnotes, see last page of table.

TABLE 5 (Continued)
IRRIGATED LANDS
1963, (In acres)

Diversion or other sources serving irrigated lands		Pasture			Orchard			Grain & hay crops	Misc.	Total lands irrigated	Irrigated idle or fallow	Total
Diversion location	Diversion name or owner	Alfalfa & mixed	Native	Induced high water table	Deciduous	Orange	Olives					
			SIERRA VALLEY SUBUNIT (Continued)									
MDB&M												
D21N/14E-28J1	Turner Frank			163						163		163
D21N/14E-28R1	Marcus William J			201						201		201
D21N/14E-31K1	Baggenstos Leo H			15						15		15
D21N/14E-32M1	Dargie Tom			70						70		70
D21N/14E-33G1	Dargie Tom			132						132		132
D21N/14E-33Q1	Church Gordon			137						137		137
D21N/14E-35E1	Mooney Joe			330						330		330
D21N/14E-35N1	Grubbs Carleton Turner Frank R			353						353		353
D21N/15E-02E1	Genasci J C	37	407							444		444
D21N/15E-02H1	Ina Corp		250							250		250
D21N/15E-03C1	Ramelli A D			75						75		75
D21N/15E-06H1	Filippini George		262	774						1,036		1,036
D21N/15E-06K1	Mooney Joseph L			405						405		405
D21N/15E-07N1	Terhel Farms Inc			158						158		158
D21N/15E-10P1	Overman Robert E			118						118		118
D21N/15E-11A1	Ina Corp		155							155		155
D21N/15E-11E1	Genasci Louis	82	366							448		448
D21N/15E-11J1	Guidici A F & S		270							270		270
D21N/15E-11K1	Genasci Louis		153							153		153
D21N/15E-12M1	Guidici A F & S		113							113		113
D21N/15E-12P1	Dory May M		92							92		92
D21N/15E-13C1	Grandi Leo		20							20		20
D21N/15E-13C2	Dory May M		97							97		97
D21N/15E-13E1	Grandi Joseph O & Alma		52[c]							52		52
D21N/15E-21P1	Alles Sam							283		283		283
D21N/16E-18A1	Dotta Buddy	102[c]	25[c]							127		127
D21N/16E-19C1	Feather River Lbr Co			22						22		22
D21N/16E-19G1	Guidici B & A E		72	14						86		86
D21N/16E-19K1	Amodei Frank		14	90						104		104
D21N/16E-29D1	Lucky Land Co		386	10						396		396
D22N/14E-36H1	Viscia A A			589						589		589
D22N/15E-01N1	Huntley Bros		806	152						958		958
D22N/15E-02L1	Roberti Josephine			182						182		182
D22N/15E-03B1	Ina Corp		19[c]	253						272		272
D22N/15E-06D1	Maddalena Louie			150						150		150
D22N/15E-11K1	Roberti Josephine	142	246[k]	238				19		645		645
D22N/15E-12K1	Pitchfork Cattle Co		735	28						763		763
D22N/15E-19Q1	Terhel Farms Inc			200						200		200
D22N/15E-20D1	Carmichael Francis			132						132	85	217
D22N/15E-20E1	Carmichael Francis			1,911						1,911		1,911
D22N/15E-24K1	Ina Corp	204								204		204
D22N/15E-27D1	Nichols Mrs A Ede Raymond C			45						45		45
D22N/15E-27P1	Nichols Mrs A			439						439		439

For lettered footnotes, see last page of table.

TABLE 5 (Continued)
IRRIGATED LANDS
1963, (In acres)

Diversion or other sources serving irrigated lands		Pasture			Orchard			Grain & hay crops	Misc.	Total lands irrigated	Irrigated idle or fallow	Total
Diversion location	Diversion name or owner	Alfalfa & mixed	Native	Induced high water table	Deciduous	Orange	Olives					
			SIERRA VALLEY SUBUNIT Continued)									
MDB&M												
D22N/15E-28D1	Bradley Francis A Ede Cristina			392						392		392
D22N/15E-28F1	Ede Cristina			235						235		235
D22N/15E-30K1	Terhel Farms Inc			405						405		405
D22N/15E-30P1	Viscia A A			265						265		265
D22N/15E-34P1	Ramelli A D Nichols Mrs A		197	451				51		699		699
D22N/15E-34R1	Ina Corp	105	316					335		756		756
D22N/15E-35G1	Sierra Valley Cattle Co		663							663		663
D22N/16E-05A1	Ryan J J		262[m]	198						460		460
D22N/16E-06J1	Vinton Land & Cattle Co		917[n]	160						1,077		1,077
D22N/16E-18N1	Ina Corp		260					233		493	40	533
D23N/14E-11P1	Carmichael Doris		980							980		980
D23N/14E-35G1	Folchi Raymond			204						204		204
D23N/14E-36N1	Westover Co			332						332		332
D23N/15E-13K1	Laffranchini Louis A		459[c]							459		459
D23N/15E-31P1	Maddalena Louie		110	66						176		176
D23N/15E-32J1	Ina Corp		234	28						262		262
D23N/15E-33H1	Bonta S A & J A			434						434		434
D23N/16E-07Q1	Trosi C A Dromiack A L	206[c]								206		206
D23N/16E-10B1	Guidici Fred Myrtle & Donald W		30	254				116		400		400
D23N/16E-23C1	Guidici Donald W & Doris M		7	149				11		167		167
D23N/16E-23L1	Pitchfork Cattle Co			151						151		151
D23N/16E-27A1	Trosi C A Dromiack A L			113						113		113
D23N/16E-27E1	Dotta Frank V		163	235						398		398
D23N/16E-27H1	Pitchfork Cattle Co	87		309				70		466		466
D23N/16E-28R1	Ramelli Theodore W			136						136		136
D23N/16E-32A1	Ryan J J		325[c]	404				30		759		759
D23N/16E-32K1	Ryan J J		741[c]	159						900		900
D23N/16E-33K1	Ayoob George	88		134				202		424		424
D23N/16E-34D1	Ramelli Theodore W		10	88				86		184		184
D24N/16E-25N1	Guidici Fred Myrtle & Donald W			38						38		38
D24N/16E-30A1	Dotta Frank V			17						17		17
D24N/16E-31B1	Dotta Frank V			81						81		81
D24N/16E-35M1	Guidici Fred Myrtle & Donald W			63						63		63
D25N/15E-13F1	Howland Eugene A			231						231		231
D25N/15E-13F2	Howland Eugene A			71						71		71
D25N/16E-19K1	Ayoob George			15						15		15
D25N/16E-20R1	Hall Marietta Hall Phillip S			17						17		17
D25N/16E-28G1	Hall Marietta Hall Phillip S			20						20		20

For lettered footnotes, see last page of table.

TABLE 5 (Continued)
IRRIGATED LANDS
1963, (In acres)

Diversion or other sources serving irrigated lands		Pasture			Orchard			Grain & hay crops	Misc.	Total lands irrigated	Irrigated idle or fallow	Total
Diversion location	Diversion name or owner	Alfalfa & mixed	Native	Induced high water table	Deciduous	Orange	Olives					
				SIERRA VALLEY SUBUNIT (Continued)								
MDB&M												
D25N/16E-29D1	Hall Marietta Hall Phillip S			15						15		15
D25N/16E-29G1	Hall Marietta Mall Phillip S			8						8		8
D25N/16E-30C1	Ayoob George			152						152		152
D25N/16E-31L1	Ayoob George			8						8		8
Surfece Water		1,053	10,215	26,849	0	0	0	1,481	0	39,598	125	39,723
Ground Water		314	110[c]	0	0	0	0	0	0	424	0	424
Total Sierra Valley Subunit		1,367	10,325	26,849	0	0	0	1,481	0	40,022	125	40,147
Plumas County Portion		1,146	7,428	12,560	0	0	0	1,153	0	22,287	125	22,412
Sierra County Portion		221	2,897	14,289	0	0	0	328	0	17,735	0	17,735
				SOUTH FORK SUBUNIT								
D19N/06E-06F1	Palermo Canal Oroville-Wyandotte I D			23						23		23
D20N/06E-24Q1	Williams Patrick M & Nancy		13							13		13
D20N/07E-17D1	Mooretown Ditch Feather River Pine Milla Et-Al		10							10		10
D20N/07E-36E1	Gaskill Read Dam Bean & Nieland Corp		11		3					14		14
D21N/08E-34P1	Bean Ditch Soper-Wheeler Co			25						25		25
Total South Fork Subunit		0	34	48	3	0	0	0	0	85	0	85
Butte County Portion		0	34	13	3	0	0	0	0	50	0	50
Yuba County Portion		0	0	35	0	0	0	0	0	35	0	35
				WEST BRANCH SUBUNIT								
D21N/04E-05J1	Tatum W P Eatate of	38	8[c]							46		46
D22N/04E-03C1	Schager Loran & Evelyn	44								44		44
D22N/04E-16H1	Concow Res Table Mtn I D Thermalito I D	21								21		21
022N/04E-29B1	Scott Gene		10							10		10
D23N/03E-36R1 Import	Magalia Res Paradise I D				182					182		182
Total Weat Branch Subunit (Butte County Only)		103	18	0	182	0	0	0	0	303	0	303

For lettered footnotes, see last page of table.

TABLE 5 (Continued)
IRRIGATED LANDS
1963, (In acres)

Diversion or other sources serving irrigated lands		Pasture			Orchard			Grain & hay crops	Misc.	Total lands irrigated	Irrigated idle or fallow	Total
Diversion location	Diversion name or owner	Alfalfa & mixed	Native	Induced high water table	Deciduous	Orange	Olives					
SUMMARY:												
Butte County												
Surface Water Supply		279	1,157	37	336	450	3,670	0	3	5,932	20	5,952
Ground Water Supply		20	0	0	0	0	0	0	0	20	0	20
		299	1,157	37	336	450	3,670	0	3	5,952	20	5,972
Lassen County												
Surface Water Supply		0	2,642	3,236	0	0	0	0	0	5,878	0	5,878
Plumas County												
Surface Water Supply		1,090	8,205	35,380	4	0	0	1,170	0	45,849	125	45,974
Ground Water Supply		314	110	39	0	0	0	0	4	467	0	467
		1,404	8,315	35,419	4	0	0	1,170	4	46,316	125	46,441
Shasta County		--	--	--	(No irrigated lands in this county)				--	--	--	--
Sierra County												
Surface Water Supply		221	2,897	14,289	0	0	0	328	0	17,735	0	17,735
Yuba County												
Surface Water Supply		57	232	35	0	0	106	0	0	430	0	430
Feather River Hydrographic Unit												
Surface Water Supply		1,647	15,133	52,977	340	450	3,776	1,498	3	75,824	145	75,969
Ground Water Supply		334	110	39	0	0	0	0	4	487	0	487
TOTAL		1,981	15,243	53,016	340	450	3,776	1,498	7	76,311	145	76,456

FOOTNOTES

a - Includes 2 acres of young orchard.
b - Includes 25 acres of abandoned orchard.
c - Received partial irrigation only.
d - Oranges intercropped with olives.
e - 237 acres received partial irrigation.
f - Includes 4 acres of young orchard.
g - Includes 2 acres of lemons.
h - 10 acres received partial irrigation.
j - Includes 65 acres of young orchard.
k - 31 acres received partial irrigation.
m - 139 acres received partial irrigation.
n - 483 acres received partial irrigation.

For lettered footnotes, see last page of table.

CHAPTER IV. LAND CLASSIFICATION

Evaluation of future water demands must be based in large part on the classification of lands with regard to their potential for future irrigation, urban or recreational development. The land classification survey of the Feather River Hydrographic Unit was conducted in 1963 and 1964. Results of the survey were used to group lands into one of four categories: irrigable agricultural lands, urban lands, recreational lands, and miscellaneous lands. The methods, procedures and criteria used in this survey are presented in Appendix A.

The acreages of each class of land in the hydrographic unit are tabulated by subunits and counties in Table 6. A total of 305,100 acres, or about 13 percent of the land in the unit, is included in the various classes of land considered to have a potential for development which would require water service. These 305,100 acres are lands in the categories of irrigable agricultural, urban, and recreational lands. The remaining 87 percent consists of lands classified as not well suited for any type of development requiring water service. These are in the miscellaneous lands category.

Figures showing the type of land classifications delineated in the survey and an explanation of the land classification symbols are presented in Chapter V.

TABLE 6

CLASSIFICATION OF LANDS IN FEATHER RIVER HYDROGRAPHIC UNIT

(In acres)

Subunit and County	Irrigable agricultural lands																	Present urban lands	Recreational lands					Miscellaneous lands			Total
	Smooth lying							Gently sloping					Steeply sloping				Total										
	V	Vw	Vl	Vp	Vr	Vs	Vps	H	Hl	Hp	Hr	Hpr	M	Mp	Mr	Mpr		UO	PP	NC	RT	NR	Total	Vm	F	N	
Almanor																											
Lassen County	1,592	4,317	0	2,922	0	0	0	126	0	0	117	0	0	0	0	0	9,074	475	3,605	15	56	191	3,867	118	45,367	54,640	113,541
Plumas County	469	3,776	0	0	643	0	0	0	0	0	0	0	0	0	0	0	4,888	750	14,308	107	418	4,271	19,104	28	69,604	91,348	185,722
Shasta County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,019	0	0	0	13,019	0	0	0	13,019
Total	2,061	8,093	0	2,922	643	0	0	126	0	0	117	0	0	0	0	0	13,962	1,225	30,932	122	474	4,462	35,990	146	114,971	145,988	312,282
American Valley																											
Plumas County	1,066	3,941	12	0	0	0	0	737	0	0	0	183	114	31	0	1,369	7,453	1,109	10	38	895	1,491	2,434	45	28,682	78,105	117,828
Canyon																											
Butte County	22	80	0	0	0	0	0	925	0	486	712	118	2,450	569	948	1,070	7,380	454	1,748	15	0	319	2,082	0	2,446	115,456	127,818
Plumas County	0	242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	242	30	0	180	1,985	2,601	4,766	0	8,921	77,384	91,343
Total	22	322	0	0	0	0	0	925	0	486	712	118	2,450	569	948	1,070	7,622	484	1,748	195	1,985	2,920	6,848	0	11,367	192,840	219,161
Cascade																											
Butte County	0	40	0	0	0	0	0	59	0	0	0	0	90	102	0	0	291	102	885	2	70	188	1,145	0	3,228	55,389	60,155
Plumas County	0	79	8	0	12	0	0	175	0	0	3	0	0	0	0	378	655	7	0	0	585	498	1,083	0	37,443	133,071	172,259
Total	0	119	8	0	12	0	0	234	0	0	3	0	90	102	0	378	946	109	885	2	655	686	2,228	0	40.671	188,460	232,414
Dixie																											
Lassen County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1,508	1,511
Plumas County	2,200	7,626	0	0	0	0	0	263	0	0	38	0	0	0	0	0	10,127	1	0	5	319	0	324	0	24,069	171,857	206,378
Total	2,200	7,626	0	0	0	0	0	263	0	0	38	0	0	0	0	0	10,127	1	0	5	319	0	324	0	24,072	173,365	207,889
Grizzley Valley																											
Plumas County	1,830	3,888	13	120	0	0	0	1,417	0	0	92	12	304	0	0	11	7,687	706	4,879	475	1,022	3,504	9,880	11	36,107	117,981	172,372
Sierra County	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	0	0	11	26	362	399	0	3,434	12,101	16,010
Total	1,830	3,964	13	120	0	0	0	1,417	0	0	92	12	304	0	0	11	7,763	706	4,879	486	1,048	3,866	10,279	11	39,541	130,082	188,382
Honcut Creek																											
Butte County	363	16	0	2,468	0	0	0	670	0	16,046	410	1,281	426	7,090	908	4,267	33,945	2,884	144	0	4	0	148	0	0	29,157	66,134
Yuba County	111	20	0	0	0	0	0	438	0	1,737	199	363	346	2,456	769	793	7,232	11	0	0	0	0	0	0	161	15,288	22,692
Total	474	36	0	2,468	0	0	0	1.108	0	17,783	609	1,644	772	9.546	1,677	5,060	41,177	2,895	144	0	4	0	148	0	161	44,445	88,826
Indian Valley																											
Lassen County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	1,706	1,755
Plumas County	3,714	10,624	0	0	284	0	0	1,084	0	0	56	0	29	0	0	0	15,791	514	0	124	820	228	1,172	114	28,269	216,805	262,665
Total	3,714	10,624	0	0	284	0	0	1,084	0	0	56	0	29	0	0	0	15,791	514	0	124	820	228	1,172	114	28,318	218,511	264,420
Red Hill																											
Butte County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	425	456
Plumas County	217	2,124	0	0	41	0	0	140	0	0	0	0	20	0	0	0	2,542	258	0	179	113	899	1,191	40	36,100	187,976	228,107
Total	217	2,124	0	0	41	0	0	140	0	0	0	0	20	0	0	0	2,542	258	0	179	113	899	1,191	40	36,131	188,401	228,563
Sierra Valley																											
Lassen County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	1,683	1,705
Plumas County	29,995	12,694	2,341	8,014	106	875	6,147	6,155	2,547	1,111	1,465	88	845	0	1,645	9	74,037	105	0	61	1,366	0	1,427	19	10,713	92,510	178,811
Sierra County	13,694	14,739	0	5,592	331	0	450	4,626	0	402	1,043	865	211	96	522	58	42,629	420	0	5	422	40	467	0	24,204	87,539	155,259
Total	43,689	27,433	2,341	13,606	437	875	6,597	10,781	2,547	1,503	2,508	953	1,056	96	2,167	67	116,666	525	0	66	1,788	40	1,894	19	34,939	181,732	335,775
South Fork																											
Butte County	0	55	0	0	0	0	0	216	0	0	92	0	357	0	437	90	1,247	273	1,195	7	186	125	1,513	0	9,695	49,028	61,756
Plumas County	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	59	1,089	185	1,333	0	11,751	25,737	38,824
Yuba County	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	72	0	3	0	53	56	0	773	943	1,879
Total	0	93	0	0	0	0	0	216	0	0	92	0	357	0	437	90	1,285	345	1,195	69	1,275	363	2,902	0	22,219	75,708	102,459
West Branch																											
Butte County	31	139	0	0	0	0	0	1,531	0	0	1,191	0	1,222	0	853	0	4,967	687	341	19	3	61	424	0	4,166	97,716	107,960
Plumas County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	657	657
Total	31	139	0	0	0	0	0	1,531	0	0	1,191	0	1,222	0	853	0	4,967	687	341	19	3	61	424	0	4,166	98,373	108,617
Butte County	416	330	0	2,468	0	0	0	3,401	0	16,532	2,405	1,399	4,545	7,761	3,146	5,427	47,830	4,400	4,313	43	263	693	5,312	0	19,566	347,171	424,279
Lassen County	1,592	4,317	0	2,922	0	0	0	126	0	0	117	0	0	0	0	0	9,074	475	3,605	15	56	191	3,867	118	45,441	59,537	118,512
Plumas County	39,491	44,997	2,374	8,134	1,086	875	6,147	9,971	2,547	1,111	1,654	283	1,312	31	1,645	1,767	123,425	3,480	19,197	1,228	8,612	13,677	42,714	257	291,659	1,193,431	1,654,966
Shasta County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,019	0	0	0	13,019	0	0	0	13,019
Sierra County	13,694	14,815	0	5,592	331	0	450	4,626	0	402	1,043	865	211	96	522	58	42,705	420	0	16	448	402	866	0	27,638	99,640	171,269
Yuba County	111	55	0	0	0	0	0	438	0	1,737	199	363	346	2,456	769	793	7,267	83	0	3	0	53	56	0	934	16,231	24,571
TOTAL	55,304	64,514	2,374	19,116	1,417	875	6,597	18,562	2,547	19,782	5,418	2,910	6,414	10,344	6,082	8,045	230,301	8,858	40,134	1,305	9,379	15,016	65,834	375	385,238	1,716,010	2,406,616

CHAPTER V. LAND USE AND CLASSIFICATION MAPS

This chapter presents and describes maps which show land use and classification as of 1963. These maps supplement the statistical data included in the foregoing chapters. Legends explaining the symbols precede the maps.

Two sets of maps are included, one showing the land use and the other showing the land classification. The maps showing land use and land classification for each area are presented on facing pages. Each of these maps covers an area 7-1/2 minutes in longitude by 7-1/2 minutes in latitude. Published U. S. Geological Survey 7-1/2-minute quadrangles were used where available. The remainder are quarters of 15-minute quadrangles published by the U. S. Geological Survey. The scale on the maps is about 1:62,500, which is the scale of the original 15-minute quadrangles.

The maps are shown as figures which are numbered in a grid-type system beginning at the northern and western extremes of the State. Each figure is designated by two numbers indicating the tier and column in which it is located. For example, Figure "13-26" is in the thirteenth tier from the north and the twenty-sixth column from the west within this statewide numbering system. The "Index to Figures and Subunits" on page 115 shows the area covered by each figure, the names of the corresponding quadrangle maps, and the subunits into which the hydrographic unit has been divided.

LAND USE LEGEND

The following land use descriptions are divided into five categories. With the exception of "miscellaneous", the first letter of the notation on each land parcel indicates the category in which the description may be found.

First Letter	Section of Legend
"i" or "n"	Agriculture
"U"	Urban
"R"	Recreation
"N"	Native

AGRICULTURE

Each parcel of agricultural land use is labeled with a notation consisting basically of three symbols. The first of these is a lower case "i" or "n" indicating whether the parcel is irrigated or non-irrigated. This is followed by a capital letter and number which denote the use group and specific use as shown in Part A below.

PART A

C SUBTROPICAL FRUITS

1 Grapefruit
2 Lemons
3 Oranges
4 Dates
5 Avocados
6 Olives
7 Miscellaneous sub-tropical fruits

D DECIDUOUS FRUITS AND NUTS

1 Apples
2 Apricots
3 Cherries
5 Peaches and nectarines
6 Pears
7 Plums
8 Prunes
9 Figs
10 Miscellaneous or mixed deciduous
12 Almonds
13 Walnuts

G GRAIN AND HAY CROPS

1 Barley
2 Wheat
3 Oats
6 Miscellaneous and mixed hay and grain

F FIELD CROPS

1 Cotton
2 Safflower
3 Flax
4 Hops
5 Sugar beets
6 Corn (field or sweet)
7 Grain sorghums
9 Castor beans
11 Miscellaneous field

T TRUCK AND BERRY CROPS

1 Artichokes
2 Asparagus
3 Beans (green or dry)
4 Cole crops
6 Carrots
7 Celery
8 Lettuce (all types)
9 Melons, squash, and cucumbers (all kinds)
10 Onions and garlic
11 Peas
12 Potatoes
13 Sweet potatoes
14 Spinach
15 Tomatoes
16 Flowers and nursery
18 Miscellaneous truck
19 Bushberries
20 Strawberries
21 Peppers (all types)

P PASTURE

1 Alfalfa and alfalfa mixtures
2 Clover
3 Mixed pasture
4 Native pasture
5 Induced high water table native pasture
6 Sudan

V VINEYARDS

R RICE

I IDLE

1 Land cropped within the past three years but not tilled at time of survey

2 New lands being prepared for crop production

S SEMIAGRICULTURAL AND INCIDENTAL TO AGRICULTURE

1 Farmsteads
2 Feed lots (livestock and poultry)
3 Dairies
4 Lawn areas

PART B

Special conditions are indicated by the following additional symbols and combinations of symbols.

Symbols and Explanations	Examples	
A ABANDONED ORCHARDS AND VINEYARDS Condition such that renewal of cultural practices would restore economic production	iD1-A	Apple orchard previously irrigated but now abandoned
F FALLOW (tilled but not cropped at time of survey) "F" following symbol of crop group most common in the area or that of last season's crop, if known	iTF	Fallow land with irrigation facilities in a truck crop area
S SEED CROP Crops grown specifically for seed	iP1-S	Irrigated alfalfa seed crop
X PARTIALLY IRRIGATED CROPS	iP3-X	Partially irrigated mixed pasture. Crops irrigated for only part of their normal irrigation season.
Y YOUNG ORCHARDS AND VINEYARDS Production commercially insignificant due to immaturity	iC3-Y	Young nonbearing irrigated oranges
FRACTION intercropping	$\frac{iD5\text{-}Y}{iG1}$	Peaches intercropped with barley
Z RECLAMATION Lands being leached of harmful salts	iI-Z iP3-Z	

LAND USE LEGEND (continued)

URBAN

UC - URBAN COMMERCIAL

UC 1	Miscellaneous establishments (offices and retailers)
UC 2	Hotels
UC 3	Motels
UC 4	Apartments, barracks (three family units and larger)
UC 5	Institutions (hospitals, prisons, reformatories, asylums, etc., having a reasonably stable 24-hour resident population)
UC 6	Schools (yards mapped separately if large enough)
UC 7	Municipal auditoriums, theaters, churches, buildings, and stands associated with race tracks, football stadiums, baseball parks, rodeo arenas, etc.
UC 8	Miscellaneous high water use (indicates a high water use not covered above)

UI - URBAN INDUSTRIAL

UI 1	Manufacturing, assembling, and general processing
UI 2	Extractive industries (oil fields, rock quarries, gravel pits, public dumps, rock and gravel processing plants, etc.)
UI 3	Storage and distribution (warehouses, substations, railroad marshalling yards, tank farms, etc.)
UI 6	Saw mills
UI 7	Oil refineries
UI 8	Paper mills
UI 9	Meat packing plants
UI 10	Steel and aluminum mills
UI 11	Fruit and vegetable canneries and general food processing
UI 12	Miscellaneous high water use (indicates a high water use not covered above)

UV - URBAN VACANT

UV 1	Miscellaneous unpaved areas (vacant lots, graveled surfaces, playing fields, non-irrigated freeway strips, raw lands within metropolitan areas, etc.)
UV 4	Miscellaneous paved areas (parking lots, runways, freeways, oiled surfaces, flood control channels, tennis court areas, auto sales lots, etc.)

UR - URBAN RESIDENTIAL

One and two family units, including trailer courts

May be followed by Development Factor or Water Use Factor

Example:

UR 41

Water Use Factor / \ Development Factor

Development Factor:

Factor	Houses per acre	Percent total area developed
0	0.5 to 2	75 - 100
1	3 to 4	75 - 100
2	3 to 4	50 - 75
3	5 to 6	75 - 100
4	5 to 6	50 - 75
5	5 to 6	25 - 50
6	7 or more	75 - 100
7	7 or more	50 - 75
8	7 or more	25 - 50
9	7 or more	0 - 25

Water Use Factor:

Factor	Percent of the total area that is irrigated
0	0 - 10
1	10 - 20
2	20 - 30
3	30 - 40
4	40 - 50
5	50 - 60
6	60 - 70
7	70 - 80
8	80 - 90
9	90 - 100

U - URBAN

Undifferentiated Urban Areas

RECREATION

RR RESIDENTIAL

Permanent and summer home tracts within a primarily recreational area. (The estimated number of houses per acre is indicated by a number in the symbol.)

RC COMMERCIAL

Commercial areas within a primarily recreational area (includes motels, resorts, hotels, stores, etc.)

RT CAMP AND TRAILER SITES

Camp and trailer sites in a primarily recreational area

NATIVE

NV NATIVE VEGETATION

NR RIPARIAN VEGETATION

NR 1 Swamps and marshes
NR 2 Meadowland

NW WATER SURFACE

NC NATIVE CLASSES UNSEGREGATED

MISCELLANEOUS

This section describes miscellaneous symbols which may relate to uses described in the preceeding four sections.

E ENTRY DENIED

Permission to enter not obtainable

M MILITARY AREAS

Indicates lands owned or controlled by the military and is used following the land use symbol.

Example: 1F1-M Irrigated cotton in a military area

P PARKS

Indicates all types of parks, both public and private, and is used following the land use symbol.

Example: 1S4-P Irrigated lawn area within a park

MIXED LAND USE

Indicated by percentages following land use symbols

Examples: 1D13 Y-20
1G1 - 80

UI1 - 30
1S4 - 20
UV - 50

LAND CLASSIFICATION LEGEND

Each land parcel delineated on the "Classification of Lands" figures is classified in one of four general categories--urban, recreational, irrigable, or miscellaneous--and is labeled accordingly. These categories and the related symbols are explained in the following sections.

URBAN AND RECREATIONAL LANDS

This section defines the urban and recreational classes as indicated by symbols on the figures. Some of these lands, though well suited or presently used for recreational purposes, are also mapped as to irrigability. On these lands the irrigable class symbol appears under the recreational class as a fraction.

RR Existing and potential permanent and summer home tracts within a primarily recreational area. The estimated number of houses, under conditions of full development, is indicated by a number in the symbol, i.e., RR-3 is suitable for three houses per acre.

RT Existing and potential picnic, camp and trailer sites within a primarily recreational area.

RC Existing and potential commercial areas which occur within a primarily recreational area and which include motels, resorts, hotels, stores, etc.

PP Existing race tracks, fairgrounds, and private, city, county, state, and federal parks.

UD The total area of cities, towns and small communities presently used for residential commercial, recreational, and industrial purposes.

IRRIGABLE LANDS

Irrigable lands are identified by notations which begin with a letter "V", "H", or "M". These symbols indicate the general slope conditions, and may appear alone or followed by (other) modifying symbols. The slope conditions indicated by these letters are:

V These lands are level or slightly sloping and vary from smooth to hummocky or gently undulating relief. The maximum allowable slope is 6 percent for smooth, reasonably large bodies lying in the same plane.

H These are lands with greater slope and/or relief than those of the "V" class. They vary from smooth to moderately rolling or undulating relief. The maximum allowable slope is 20 percent for smooth, reasonably large bodies lying in the same plane.

M These are lands with greater slope and/or relief than those of the "H" class. They vary from smooth to steeply rolling or undulating relief. The maximum allowable slope is 30 percent for smooth, reasonably large bodies lying in the same plane.

The description below applies to all "V", "H", and "M" lands on which these slope symbols appear by themselves:

> Have soils of medium or deep effective root zones; are permeable throughout; are relatively free of salinity, alkalinity; rock, or other conditions which would limit crop adaptability; are suitable for all climatically adapted crops, being limited only by topographic conditions.

LAND CLASSIFICATION LEGEND (continued)

IRRIGABLE LANDS (Continued)

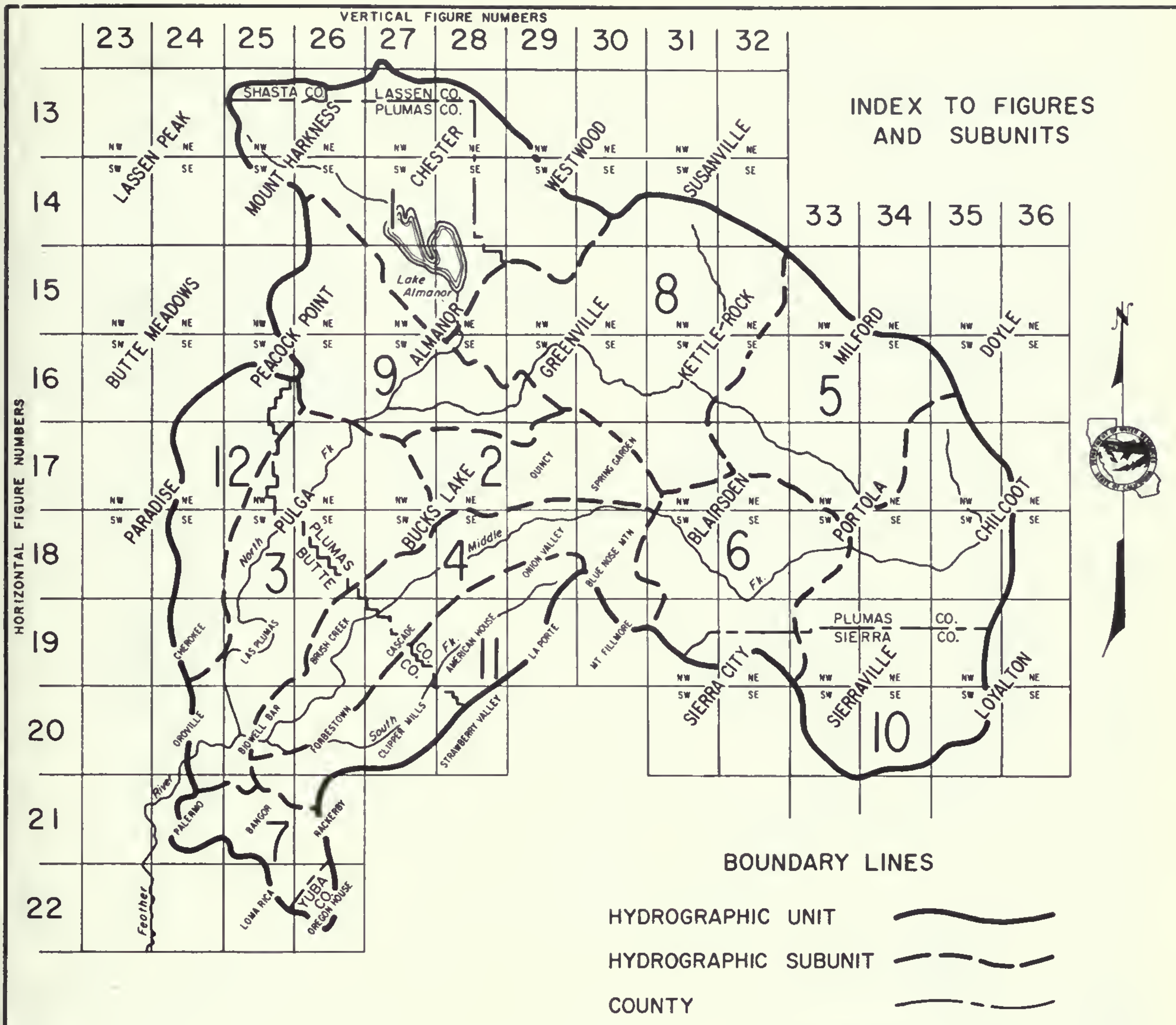
The symbols below, appended to "V", "H", or "M", indicate the described modifying conditions.

S	Indicates the presence of an excess of soluble salts or exchangeable sodium in slight amounts, which limits the present adaptability of these lands to crops tolerant to such conditions. The application of small amounts of amendments and some additional water over and above crop requirements to leach out the harmful salts may be required.
SS	Indicates the presence of an excess of soluble salts or exchangeable sodium in sufficient quantity to require the application of moderate amounts of amendments and some additional water over and above crop requirements to effect reclamation.
SA	Indicates the presence of an excess of soluble salts or exchangeable sodium in sufficient quantity to require the application of large amounts of amendments and some additional water over and above crop requirements to effect reclamation.
P	Indicates shallow depth of the effective root zone, which in general limits use of these lands to shallow-rooted crops.
W	Indicates the presence of a high water table, which in effect limits the present crop adaptability of these lands to pasture crops. Drainage and a change in irrigation practice would be required to affect the crop adaptability.
L	Indicates fairly coarse textures and low moisture-holding capacities, which in general make these lands unsuitable for production of shallow-rooted crops.
H	Indicates very fine textures, which in general make these lands best suited for production of shallow-rooted crops.
R	Indicates enough rock on the surface or within the plow zone to limit use of the land for cultivated crops.
-B	Indicates low-lying basin and seep areas.
-(L)	Indicates ground cover varying from a light to moderately dense growth of low brush through a low-density growth of medium-height trees.
-(M)	Indicates ground cover varying from a high-density growth of low brush to a moderately dense growth of medium-height to tall trees.
-(H)	Indicates ground cover varying from a high-density growth of tall brush (manzanita, etc.) and or medium-height trees to a very dense growth of large trees.
-2,-4,-6, or -8	Number indicates, in feet, the average difference between highs and lows due to microrelief.

MISCELLANEOUS LANDS

F	Presently forested lands, or lands subject to forest management, which meet the requirements for irrigable land but which, because of climatic conditions and physiographic position, are better suited for timber production or some type of forest management program rather than for irrigated agriculture.
VM	Swamp and marsh lands which usually support a heavy growth of phreatophytes and are covered by water most of the time.
VA	Smooth lying valley lands which are affected by such heavy concentrations of salts that further detailed studies would be required to determine the feasibility of reclaiming these lands for irrigated agriculture.
N	Includes all lands which fail to meet the requirements of any of the foregoing classes.

INDEX TO FIGURES AND SUBUNITS



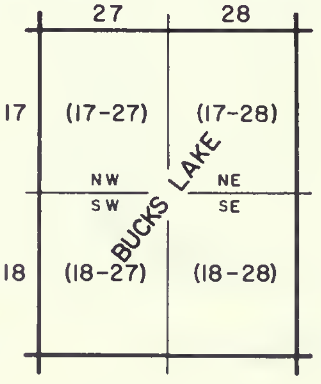
SUBUNITS

NAME	NO.
ALMANOR	1
AMERICAN VALLEY	2
CANYON	3
CASCADE	4
DIXIE	5
GRIZZLY VALLEY	6
HONCUT CREEK	7
INDIAN VALLEY	8
RED HILL	9
SIERRA VALLEY	10
SOUTH FORK	11
WEST BRANCH	12

FIGURE NUMBERING SYSTEM

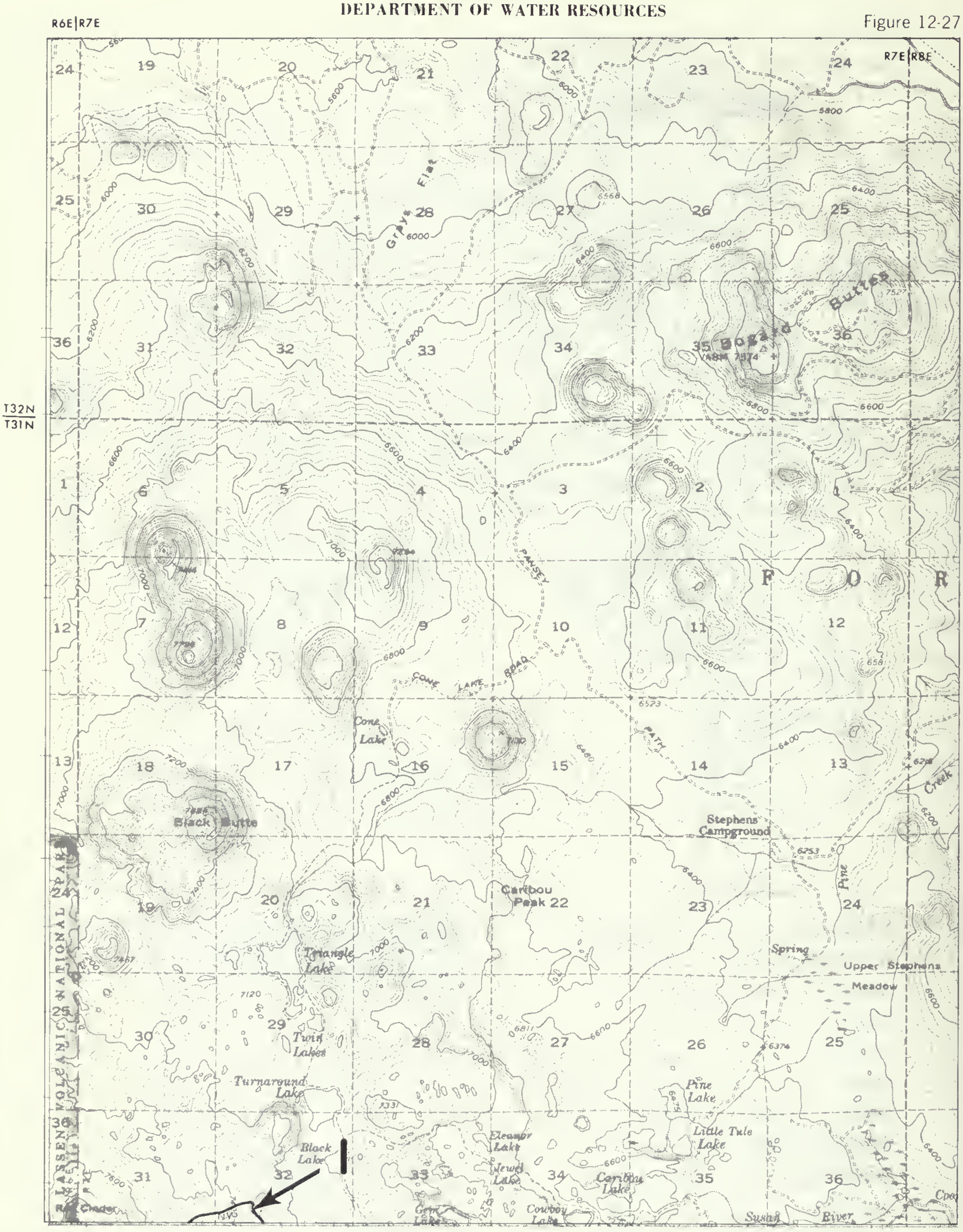
Starting at the northwest corner of California, the columns and tiers of USGS 7 1/2' quadrangle areas have been numbered consecutively west to east and north to south respectively.

These numbers are used as shown below to identify each 7 1/2' quadrangle area presented as a figure in this report.



STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 12-27

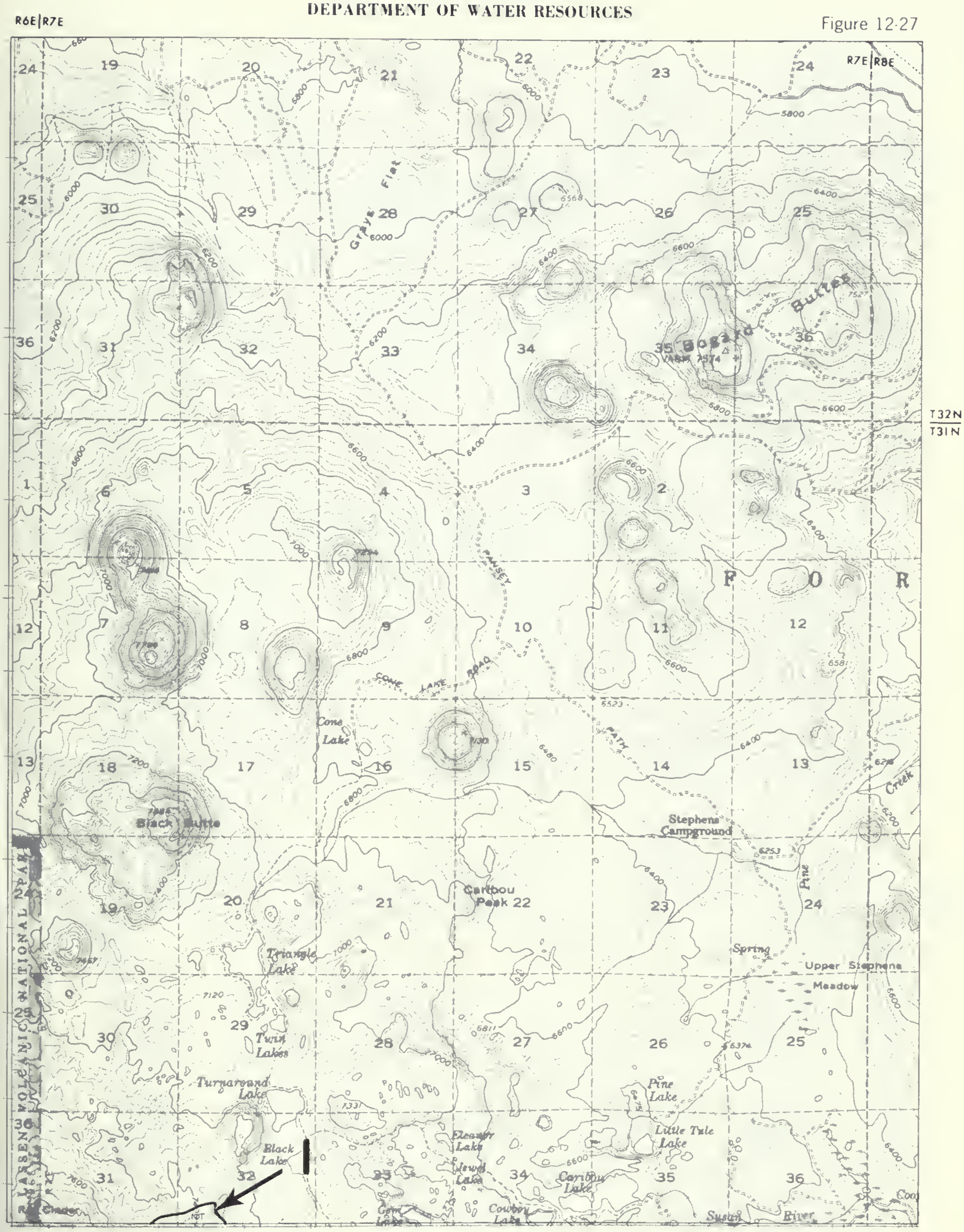


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
HARVEY MTN QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 12-27

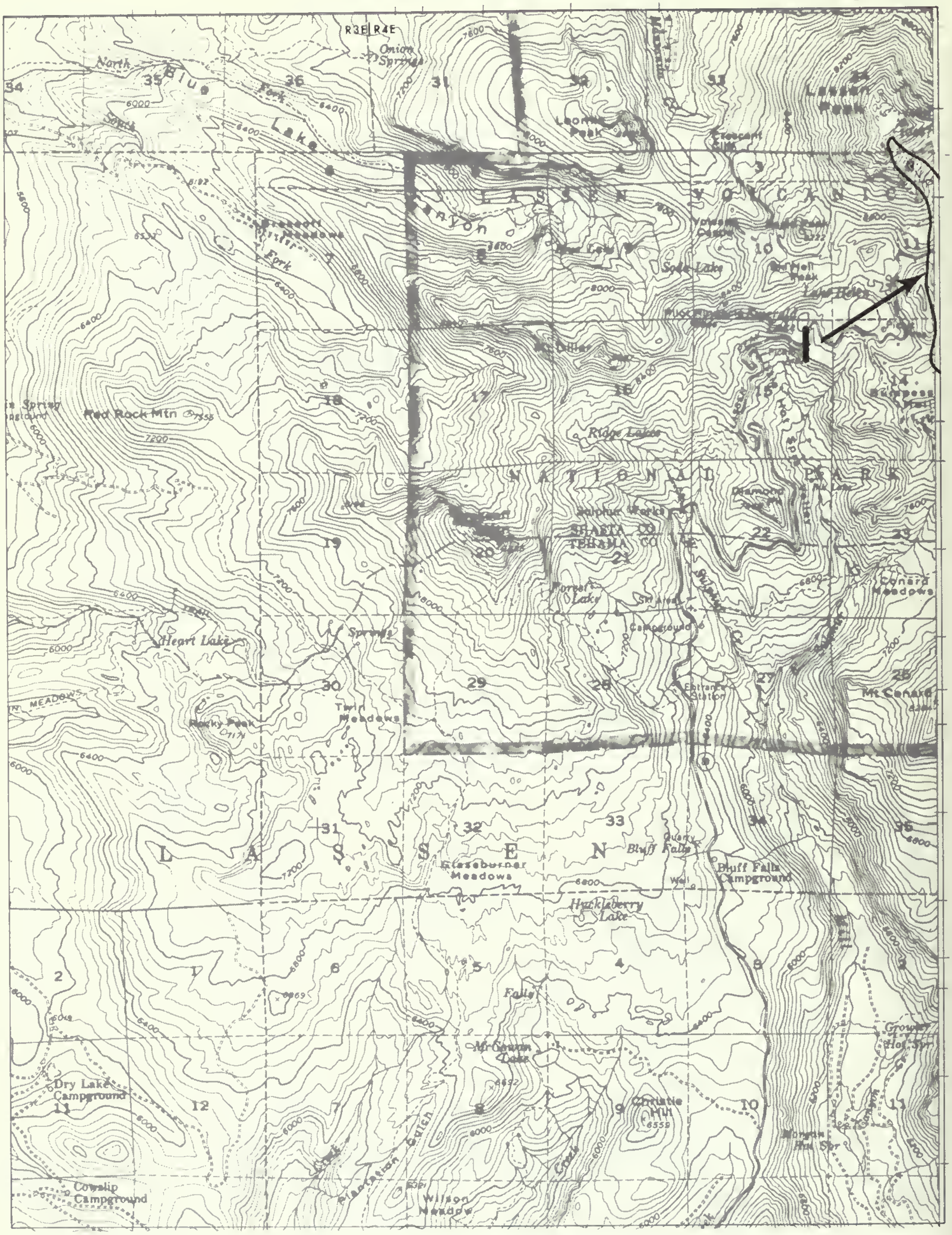


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
HARVEY MTN QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-24



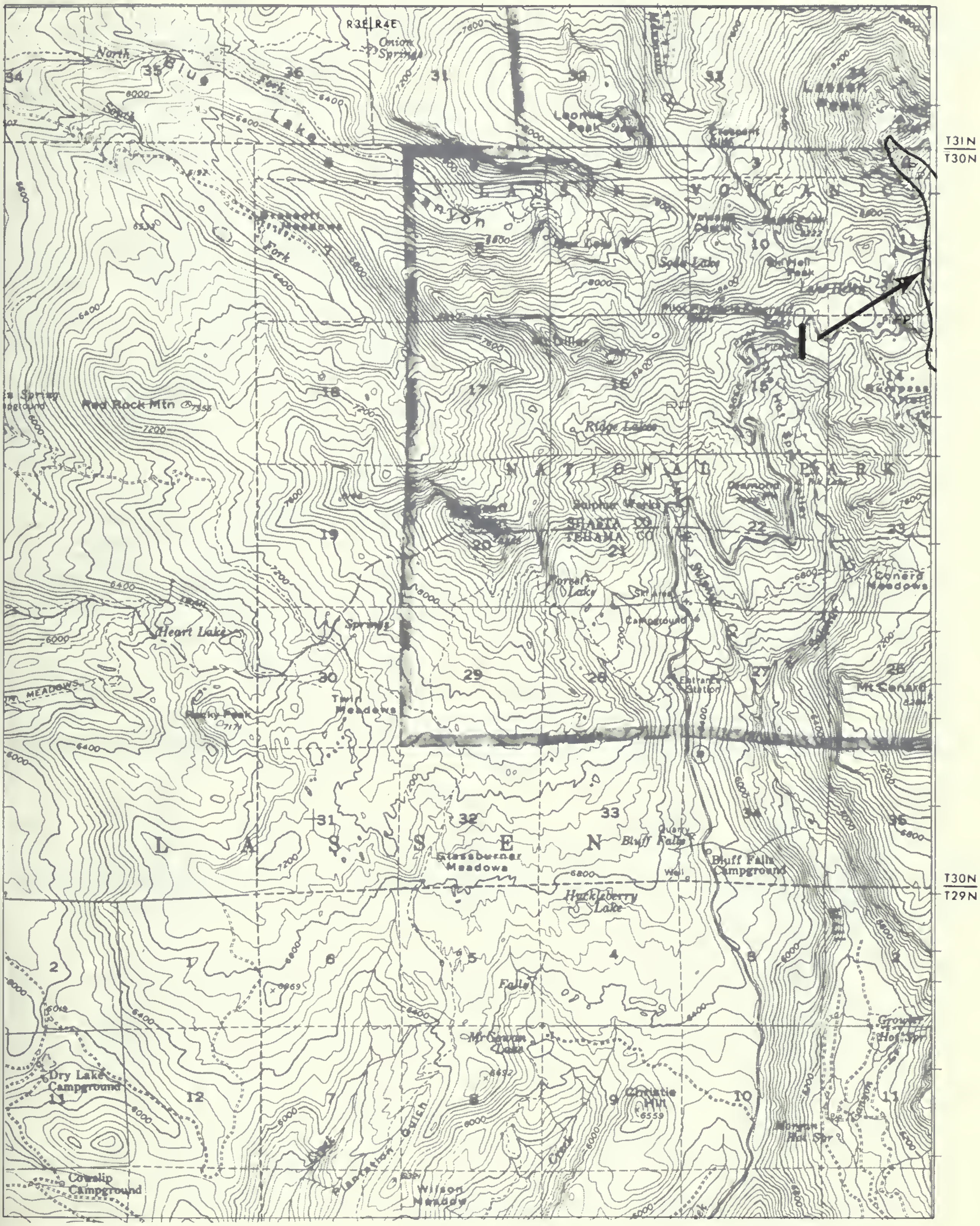
FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963

LASSEN PEAK QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-24



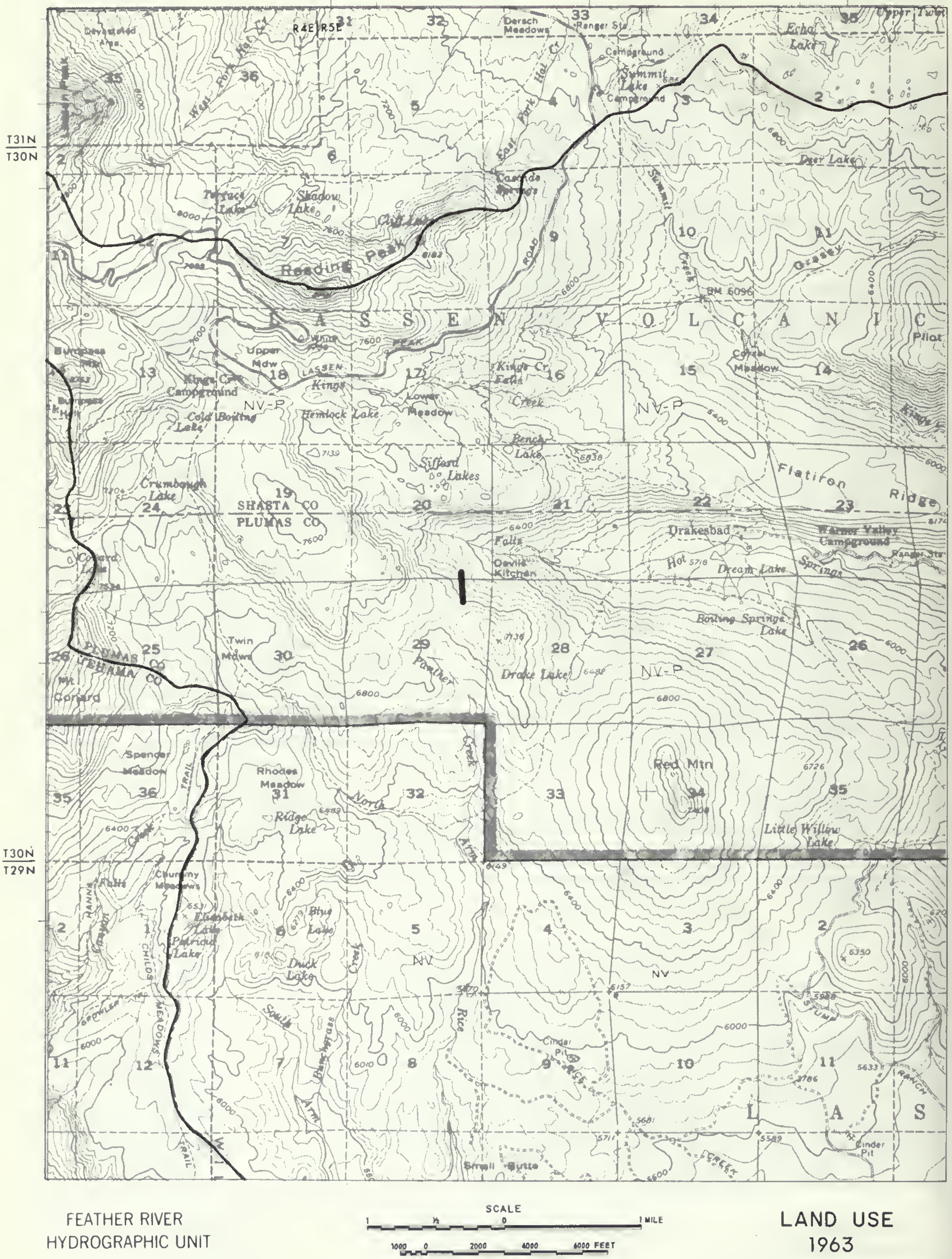
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
LASSEN PEAK QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-25

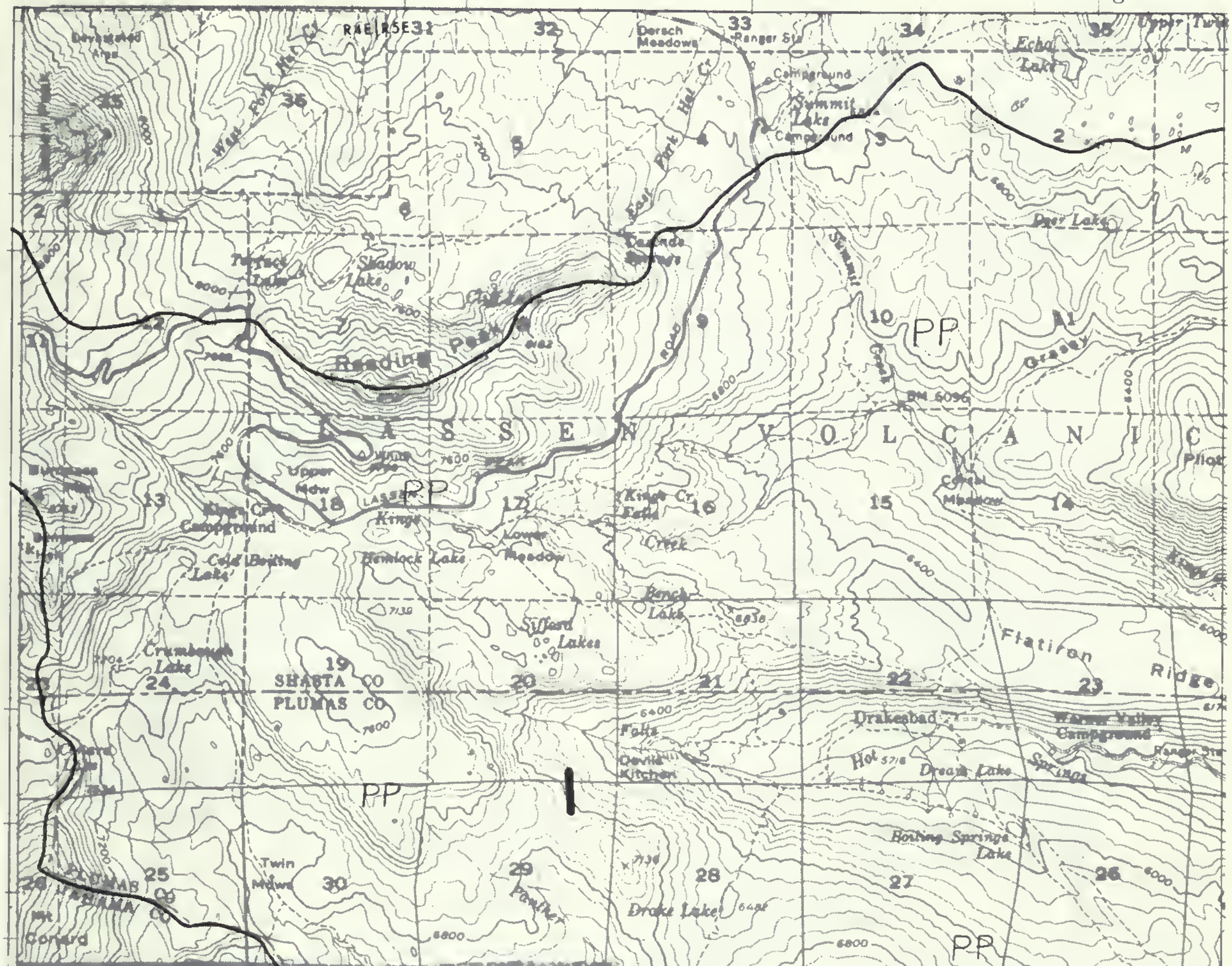


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
MOUNT HARKNESS QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-25



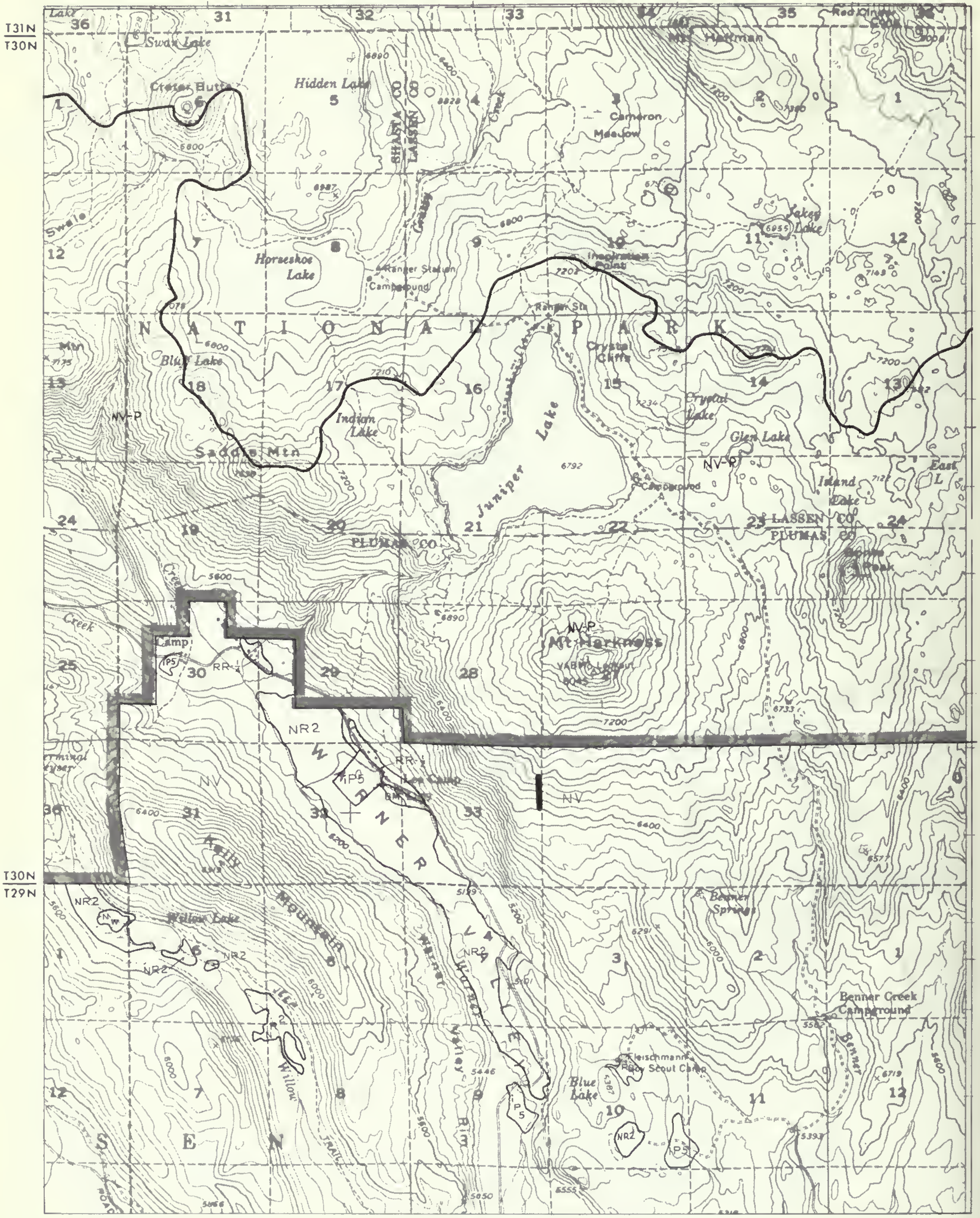
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
MOUNT HARKNESS QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-26



FEATHER RIVER
HYDROGRAPHIC UNIT

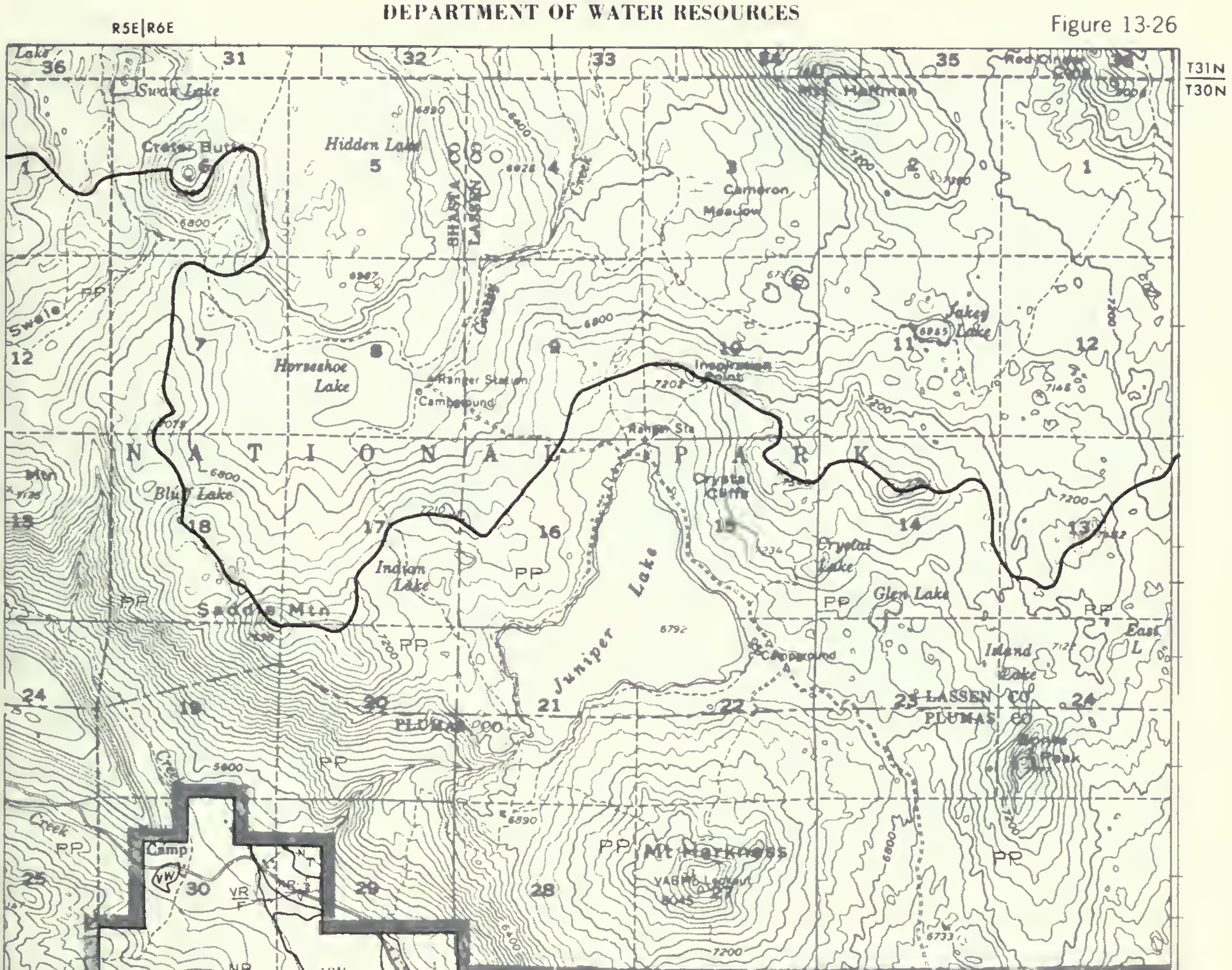
SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963

MOUNT HARKNESS QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-26



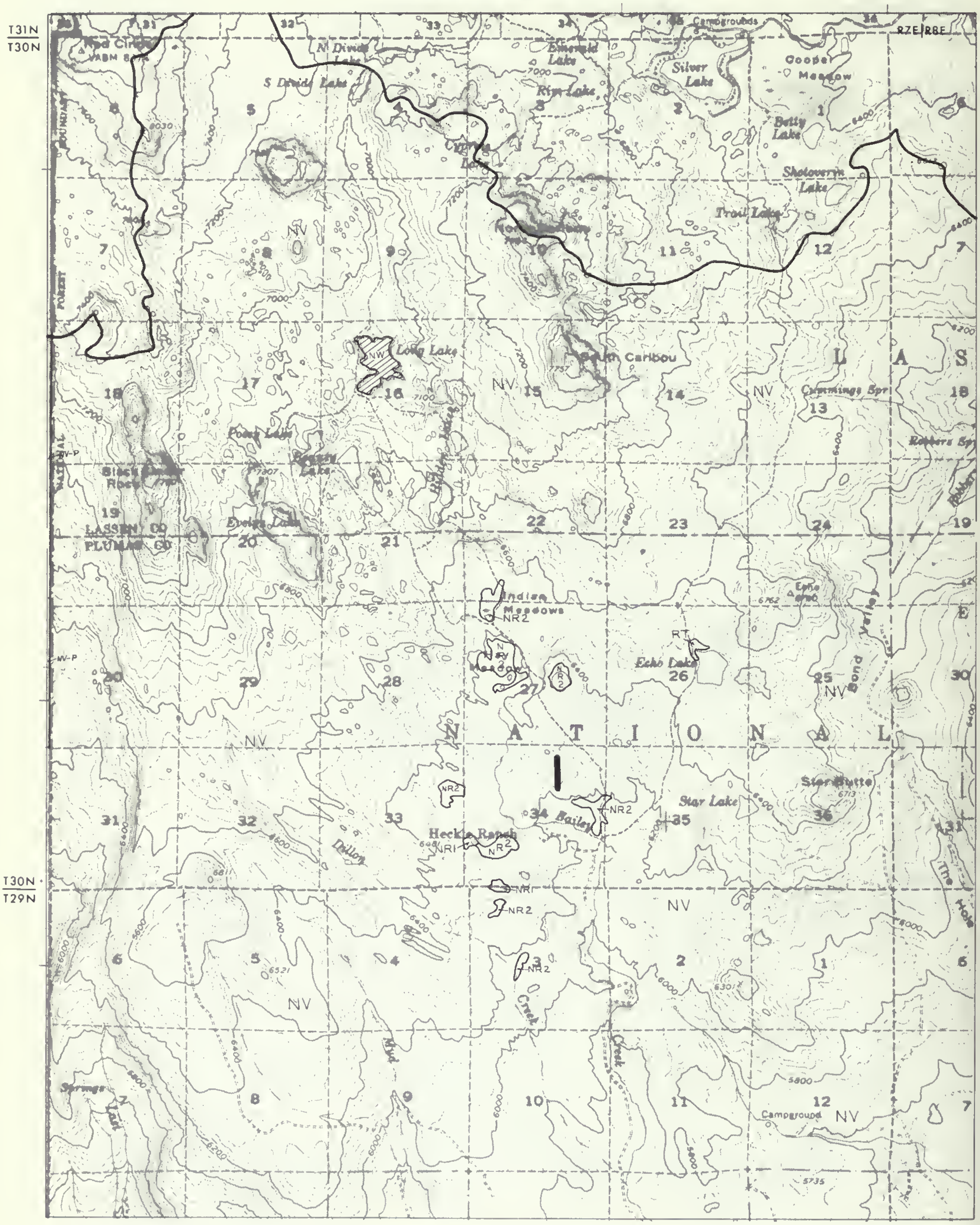
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
MOUNT HARKNESS QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-27



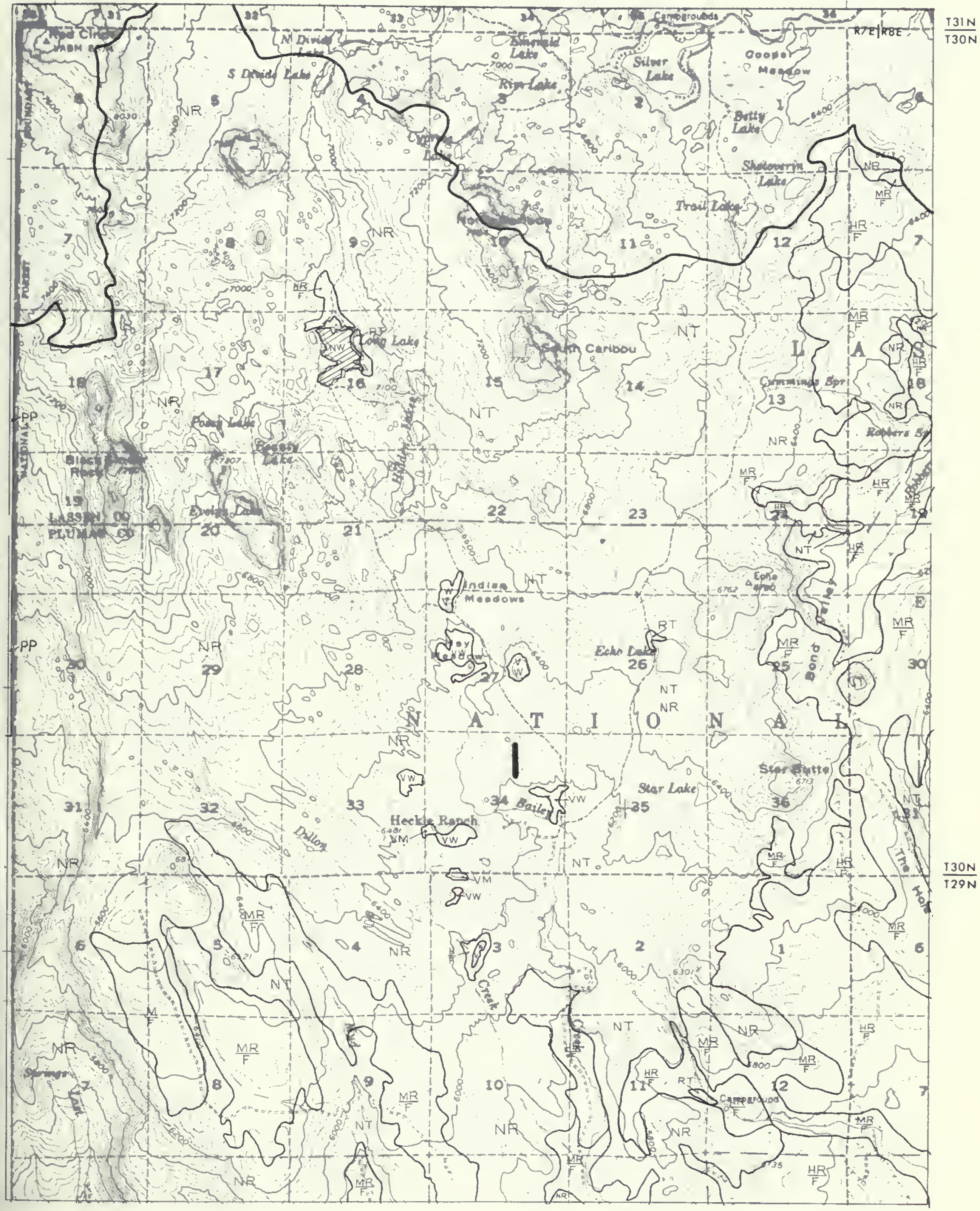
SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
CHESTER QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-27



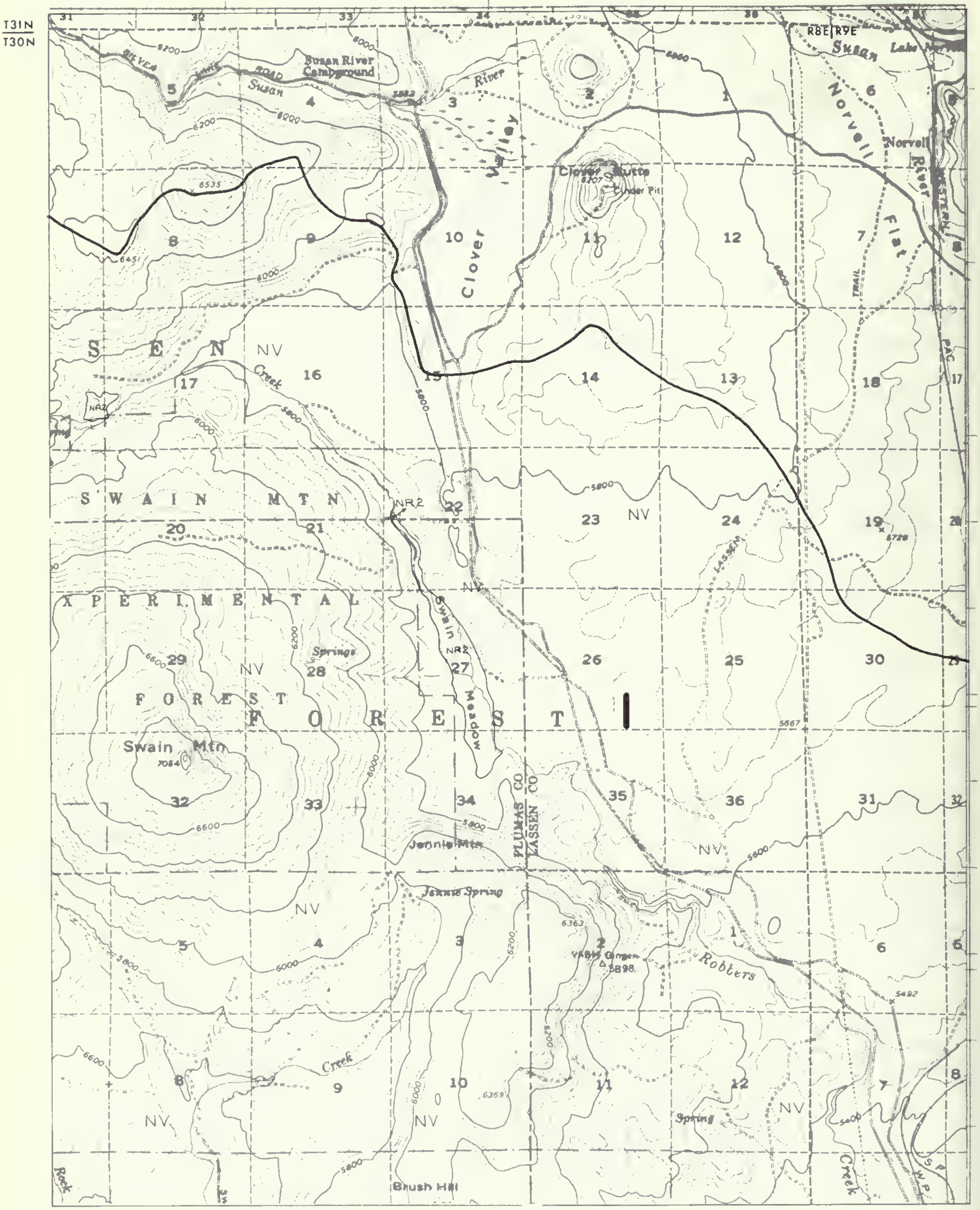
SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
CHESTER QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-28



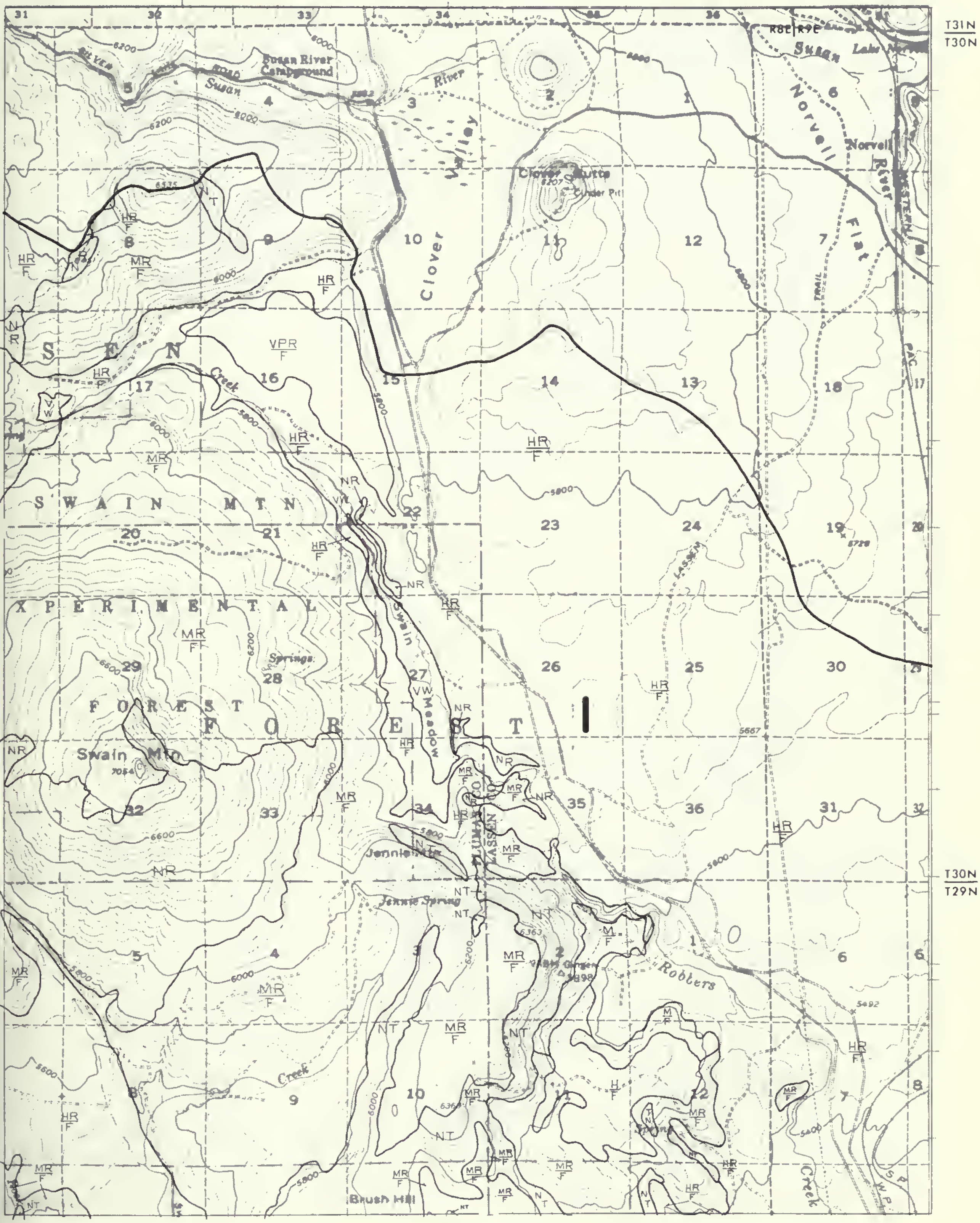
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
CHESTER QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-28



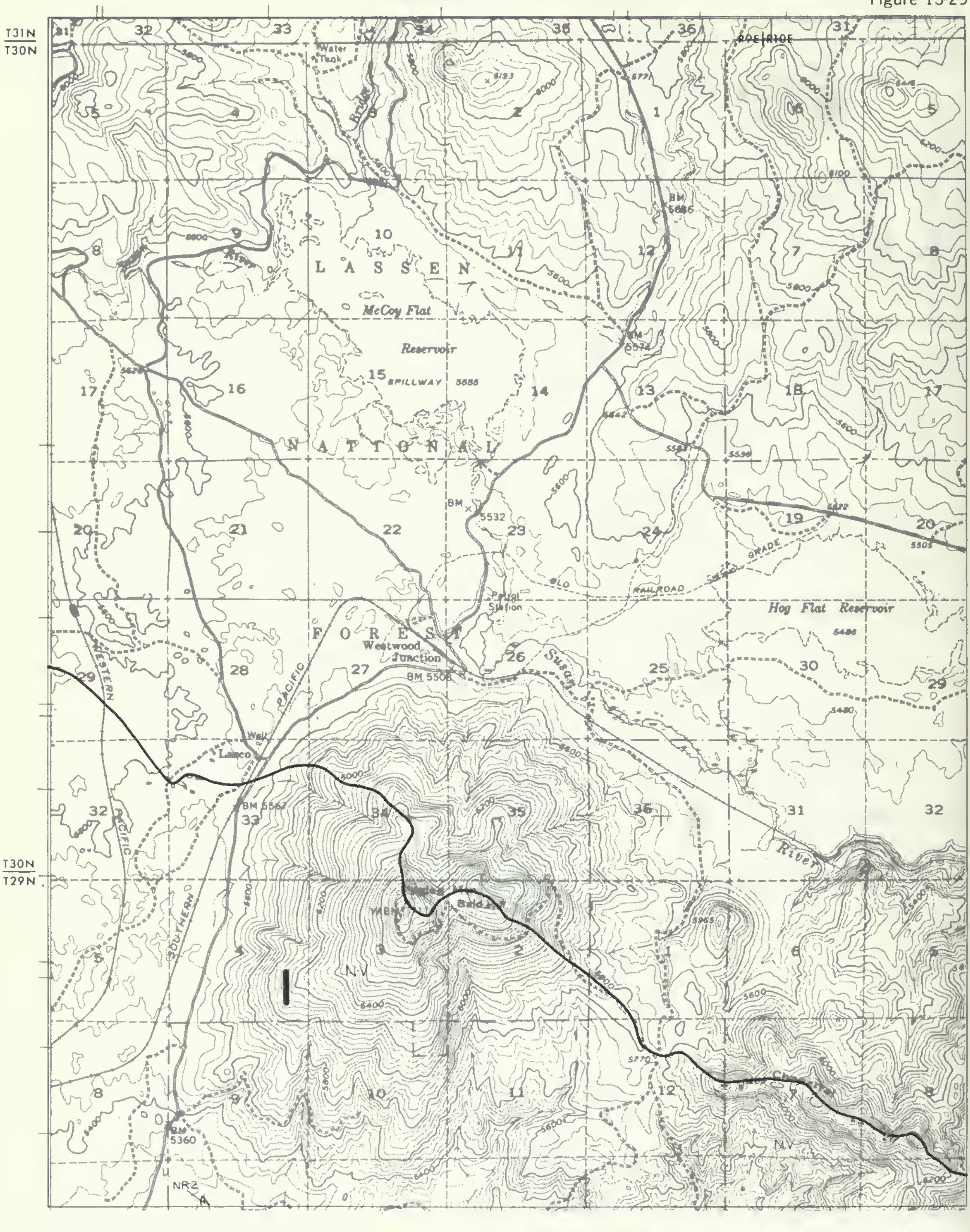
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 MILE
6000 FEET

CLASSIFICATION OF LANDS
1963
CHESTER QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-29



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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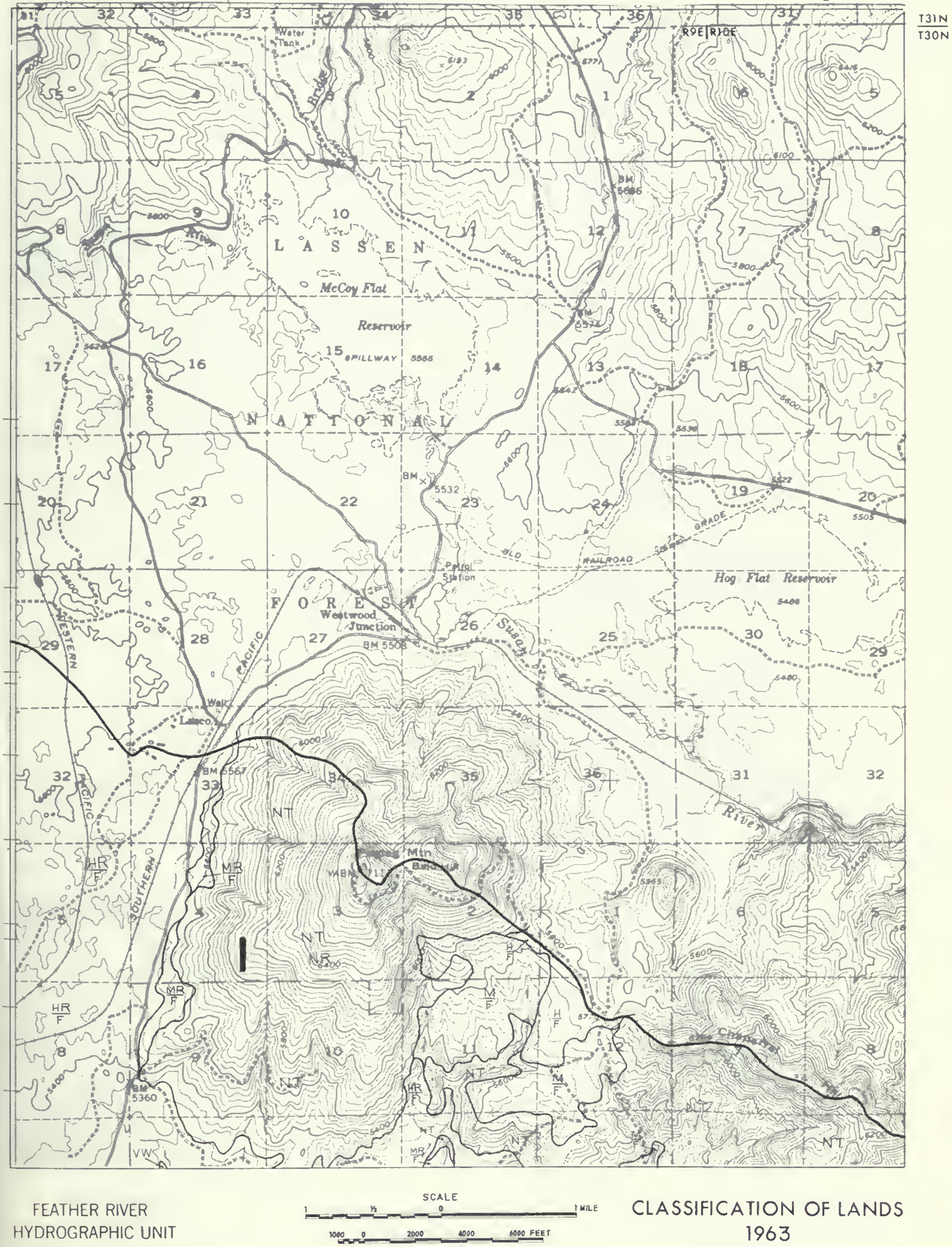
1000 0 2000 4000 6000 FEET

LAND USE
1963
WESTWOOD QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-29



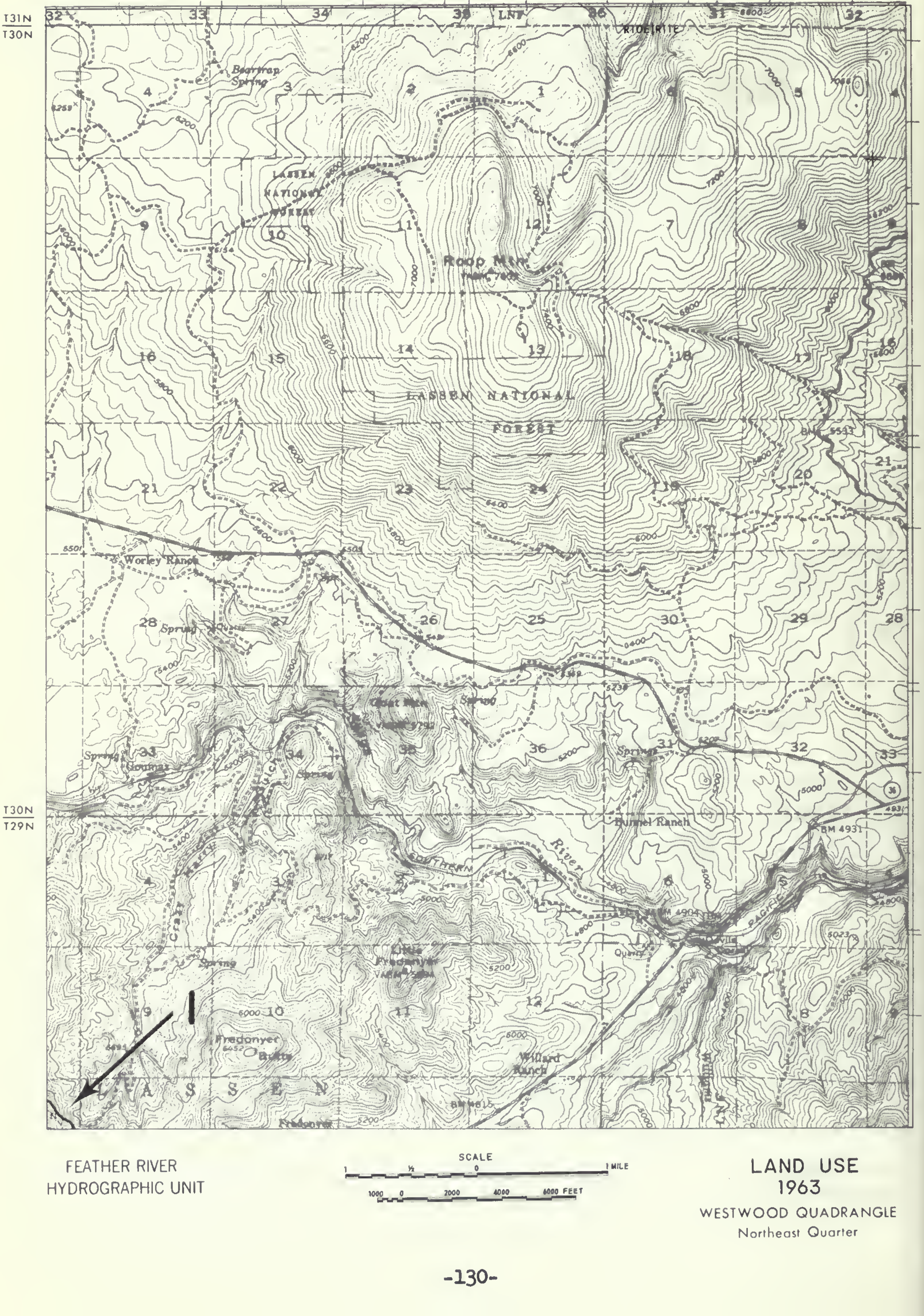
FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963

WESTWOOD QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-30



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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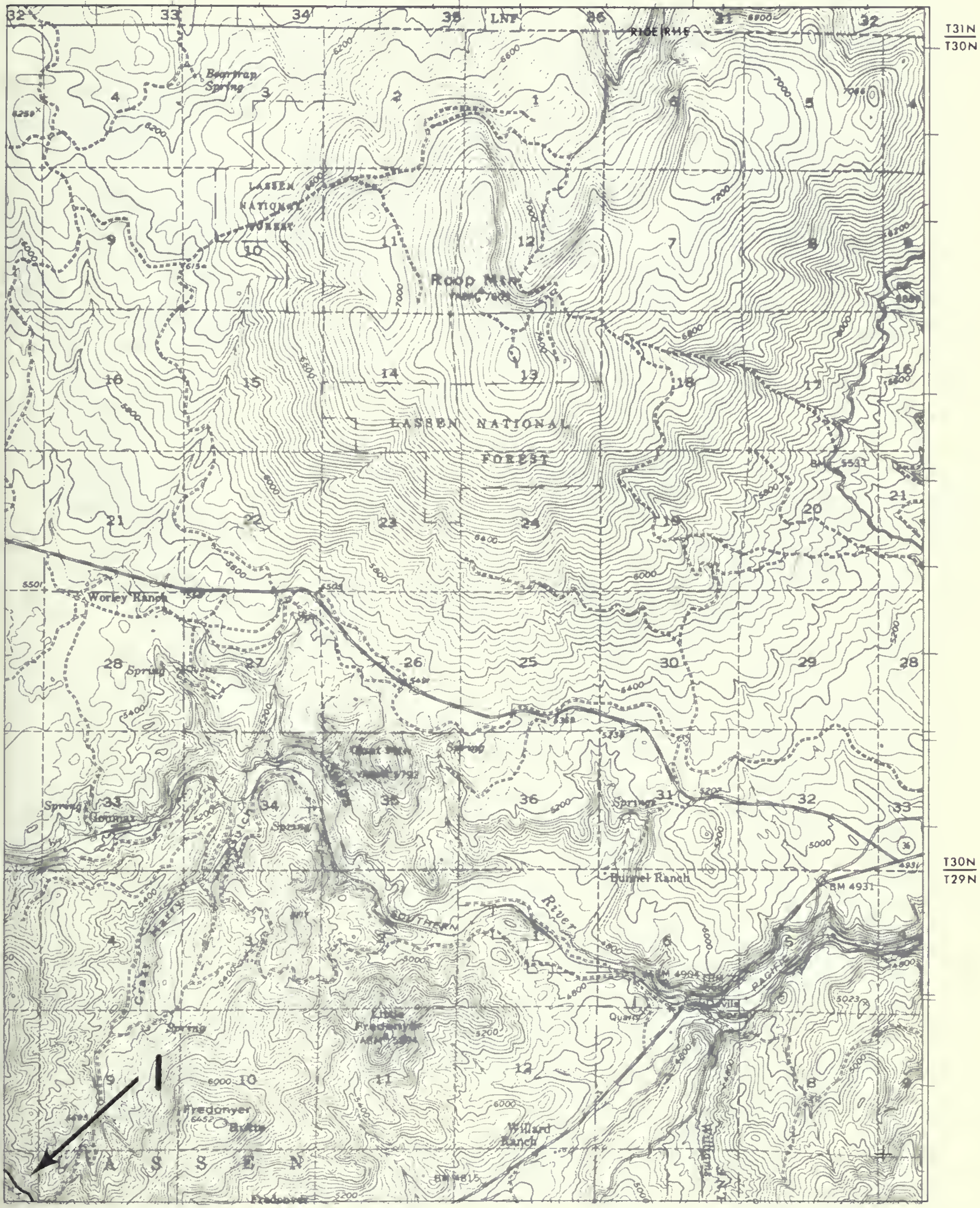
1000 0 2000 4000 6000 FEET

LAND USE
1963
WESTWOOD QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 13-30

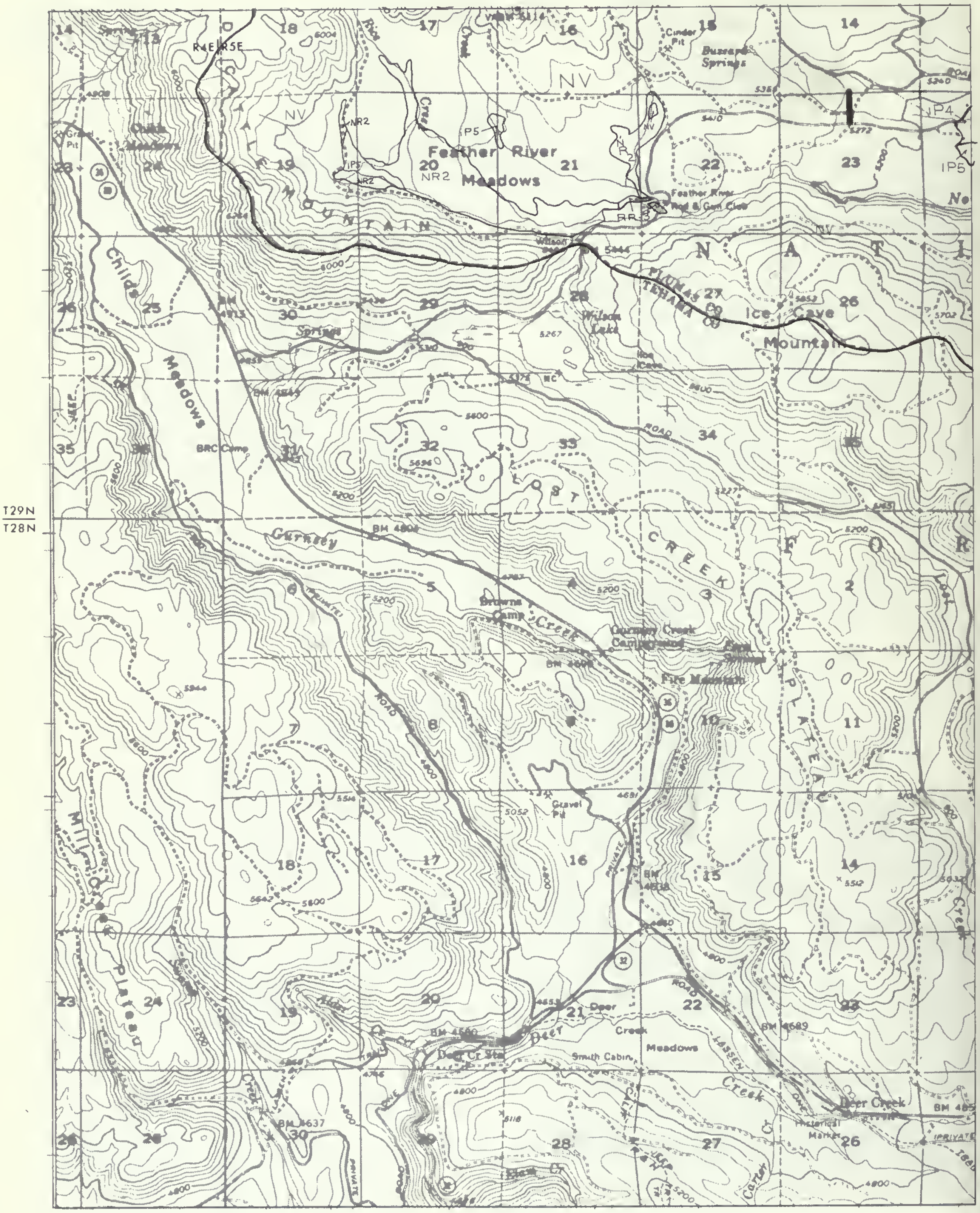


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
WESTWOOD QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-25



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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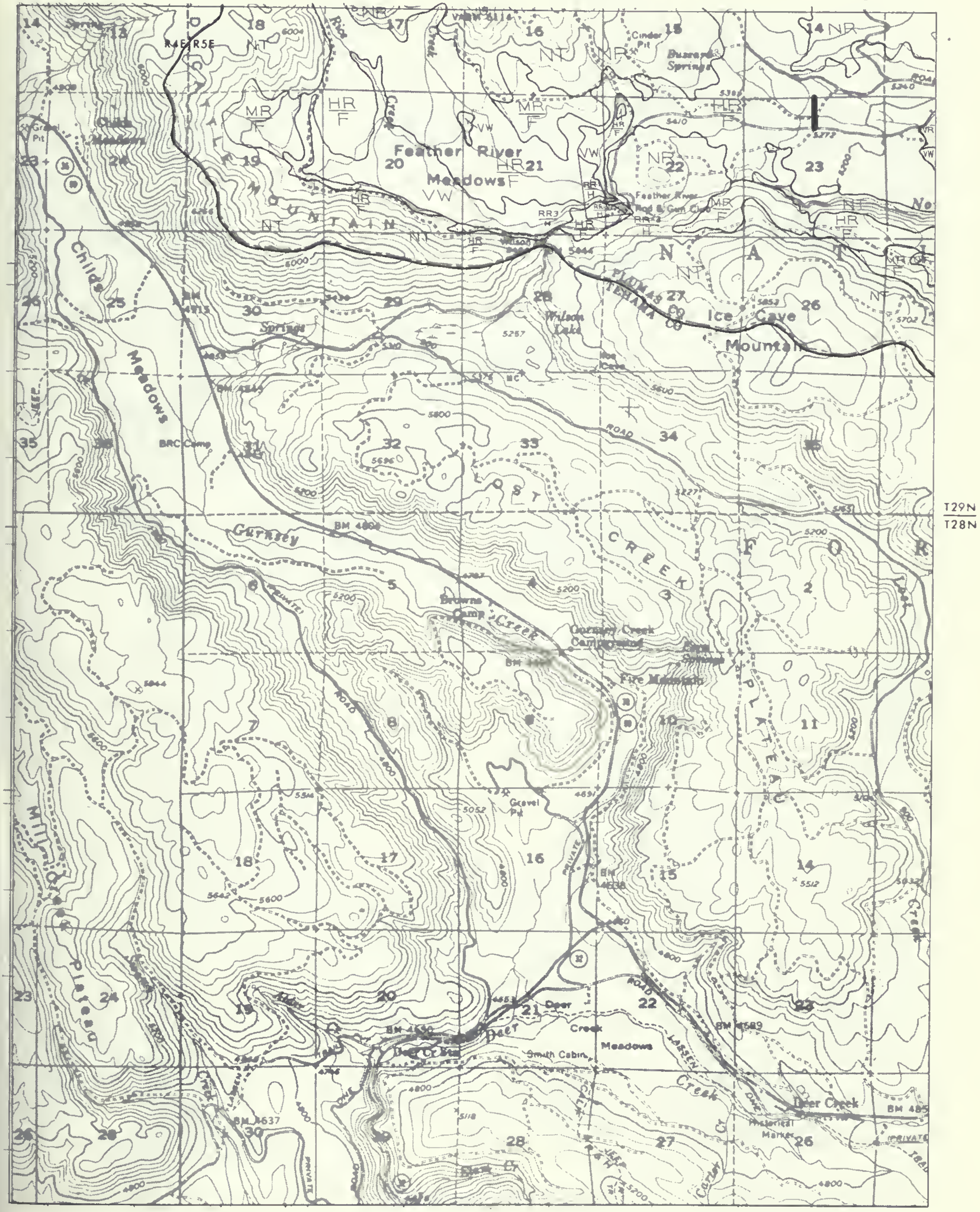
1000 0 2000 4000 6000 FEET

LAND USE
1963

MOUNT HARKNESS QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-25



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE

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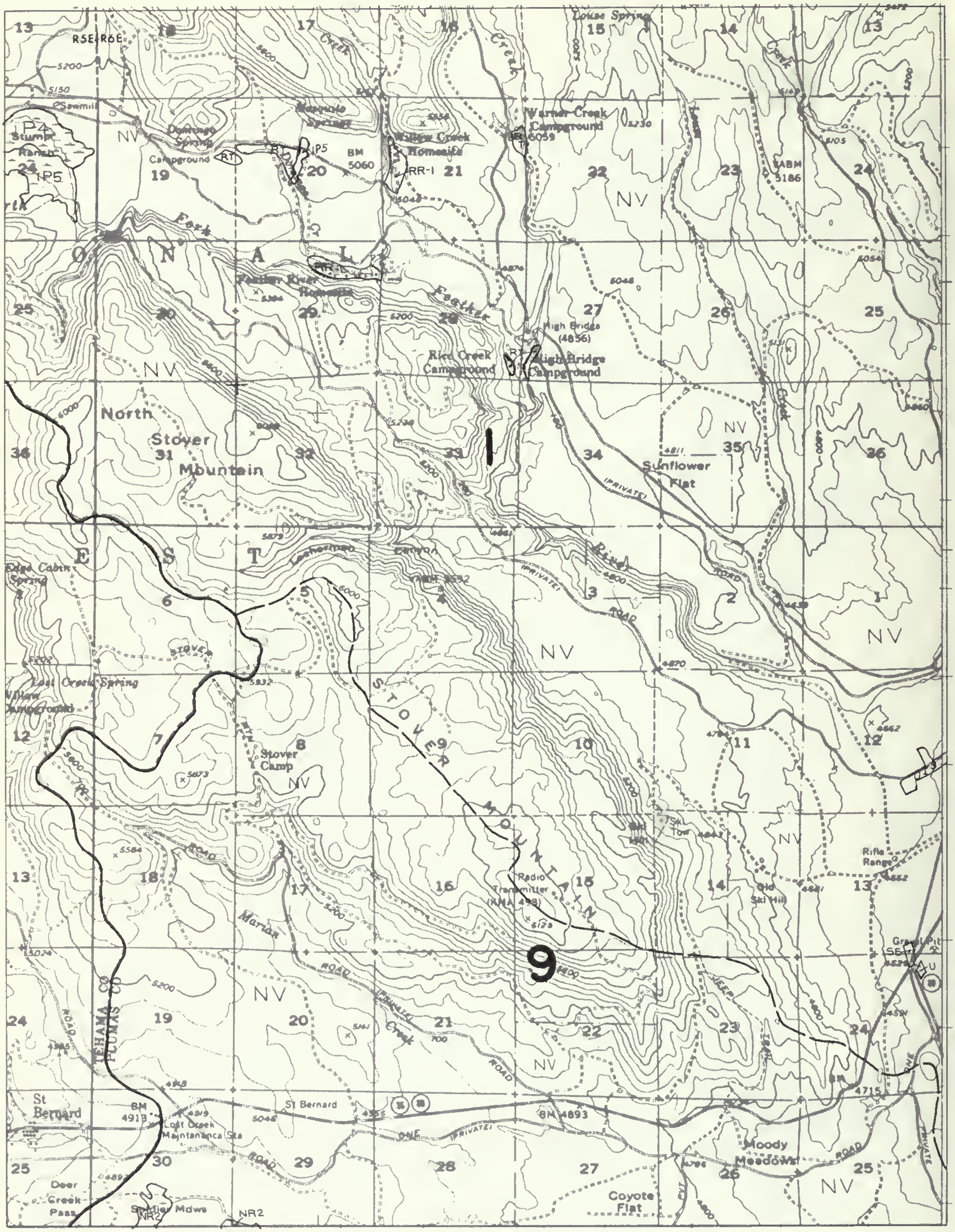
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
MOUNT HARKNESS QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-26



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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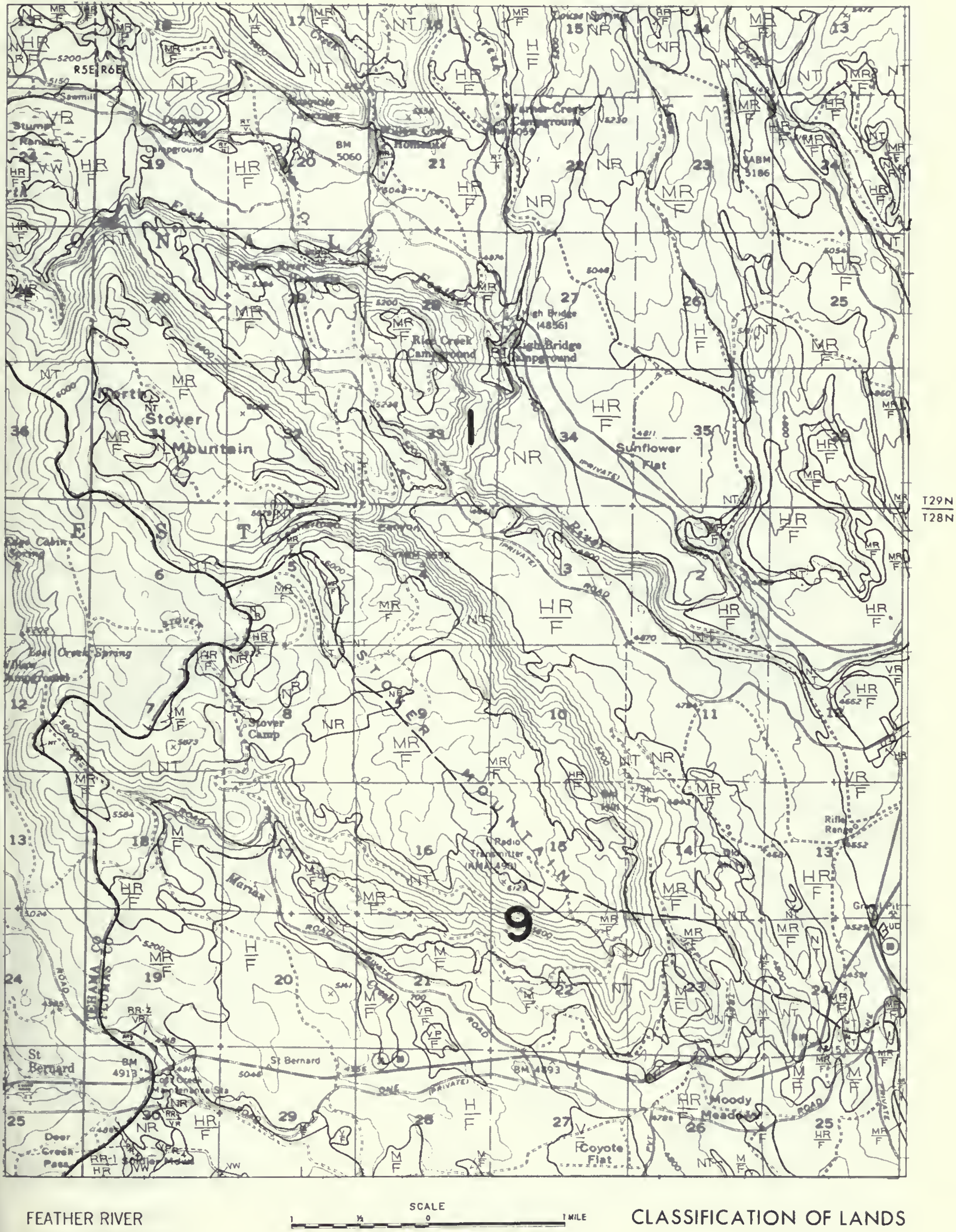
LAND USE
1963
MOUNT HARKNESS QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-26



SCALE
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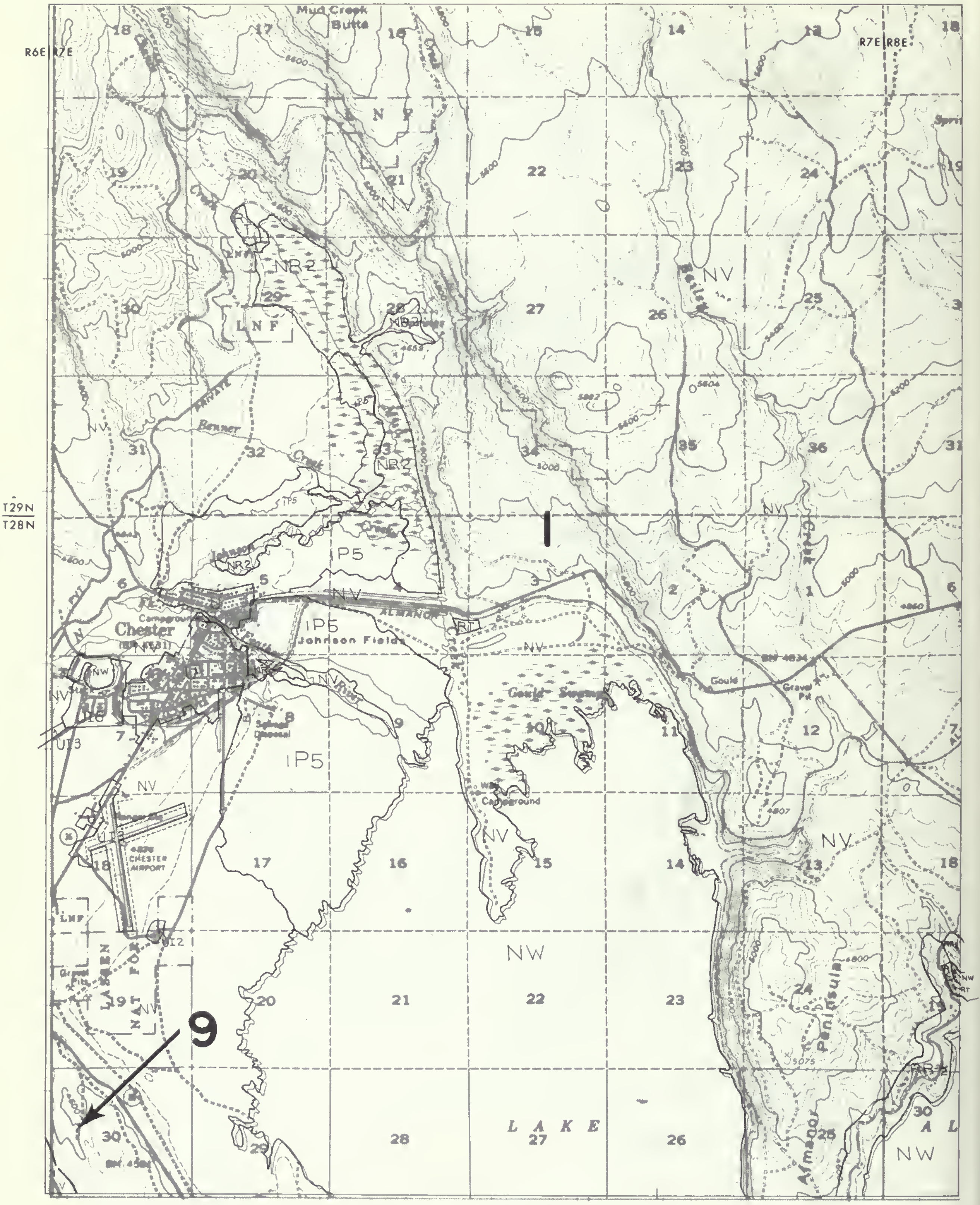
FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
MOUNT HARKNESS QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-27



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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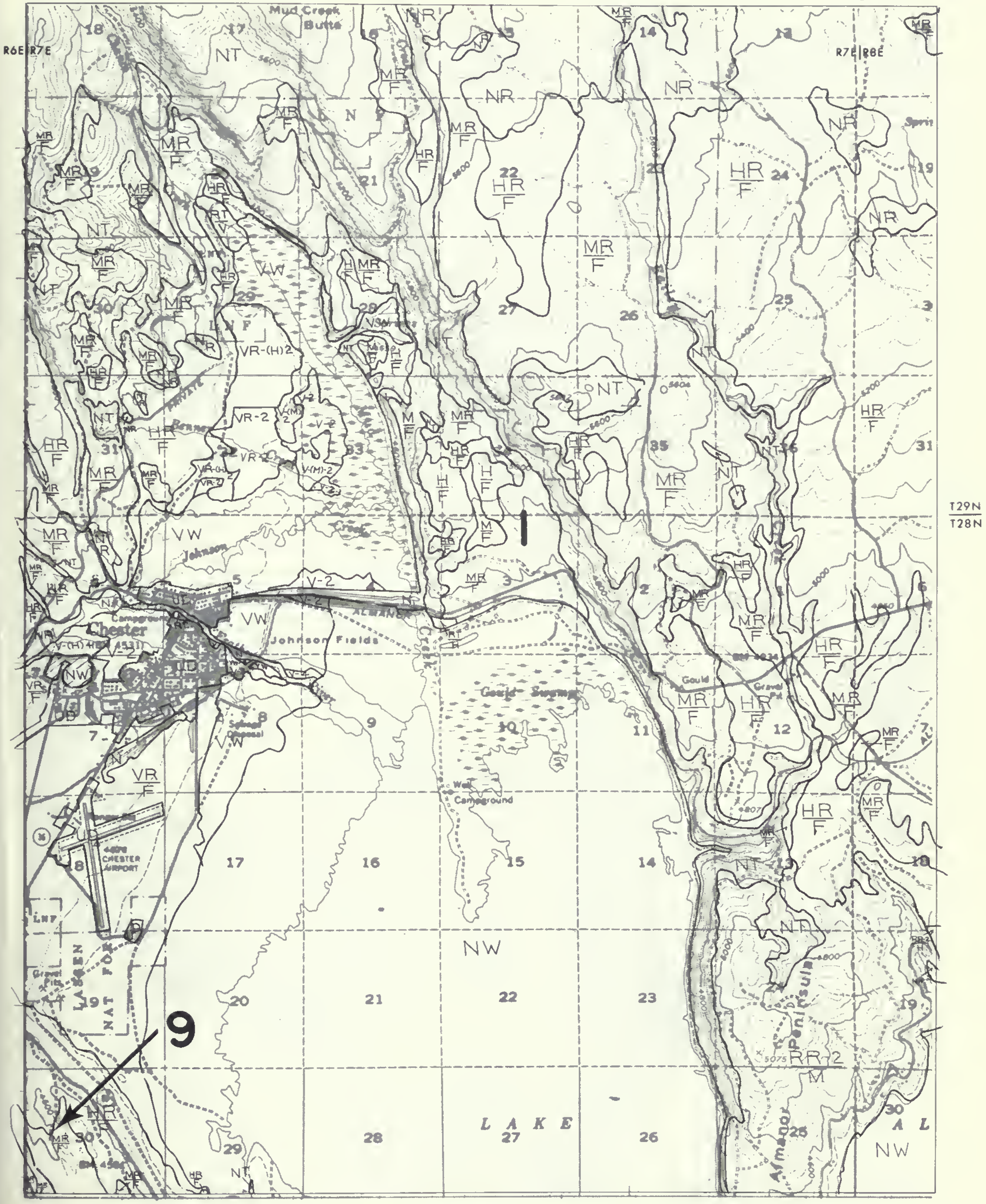
LAND USE
1963
CHESTER QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-27



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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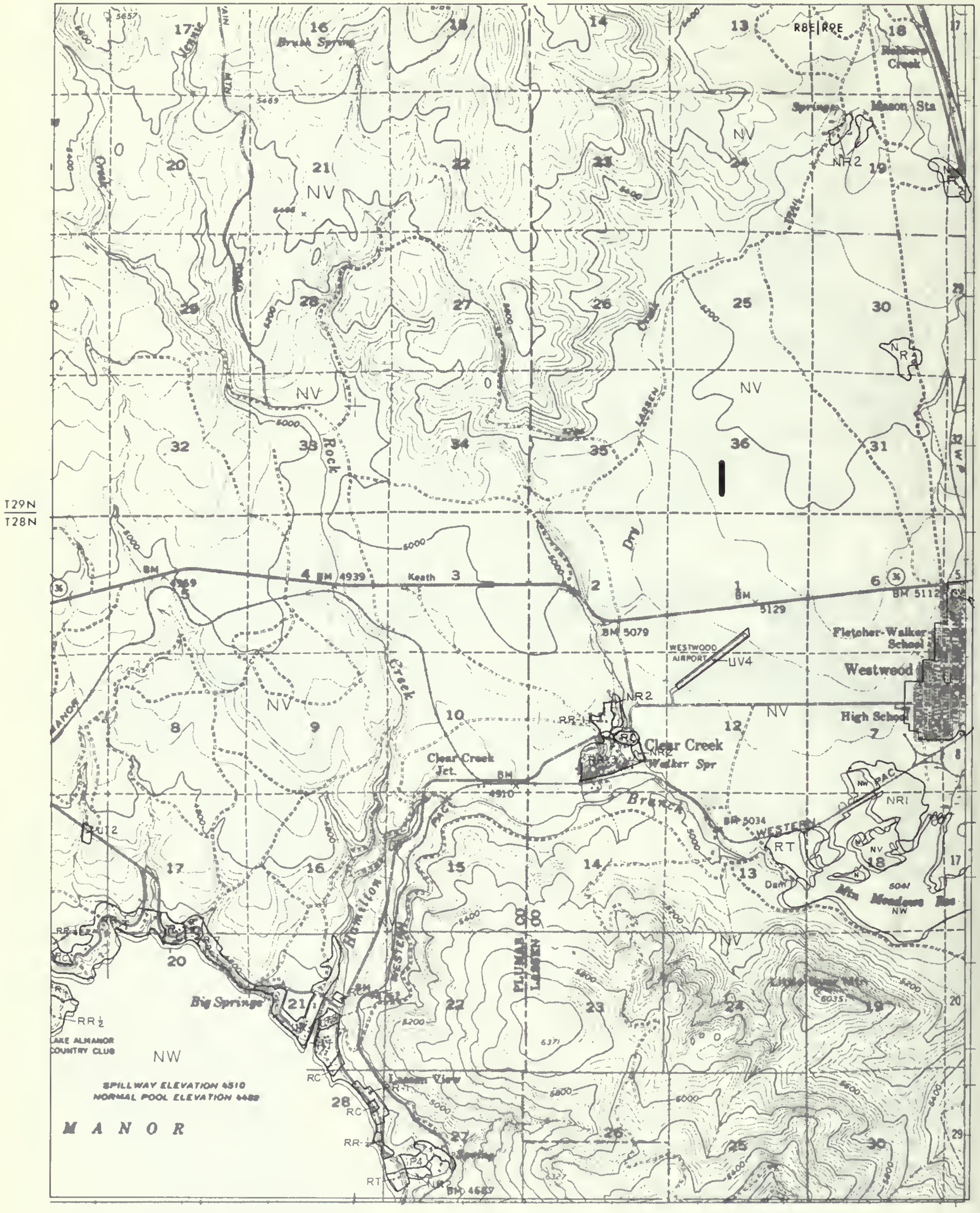
CLASSIFICATION OF LANDS
1963
CHESTER QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-28



SCALE

1 ½ 0 1 MILE

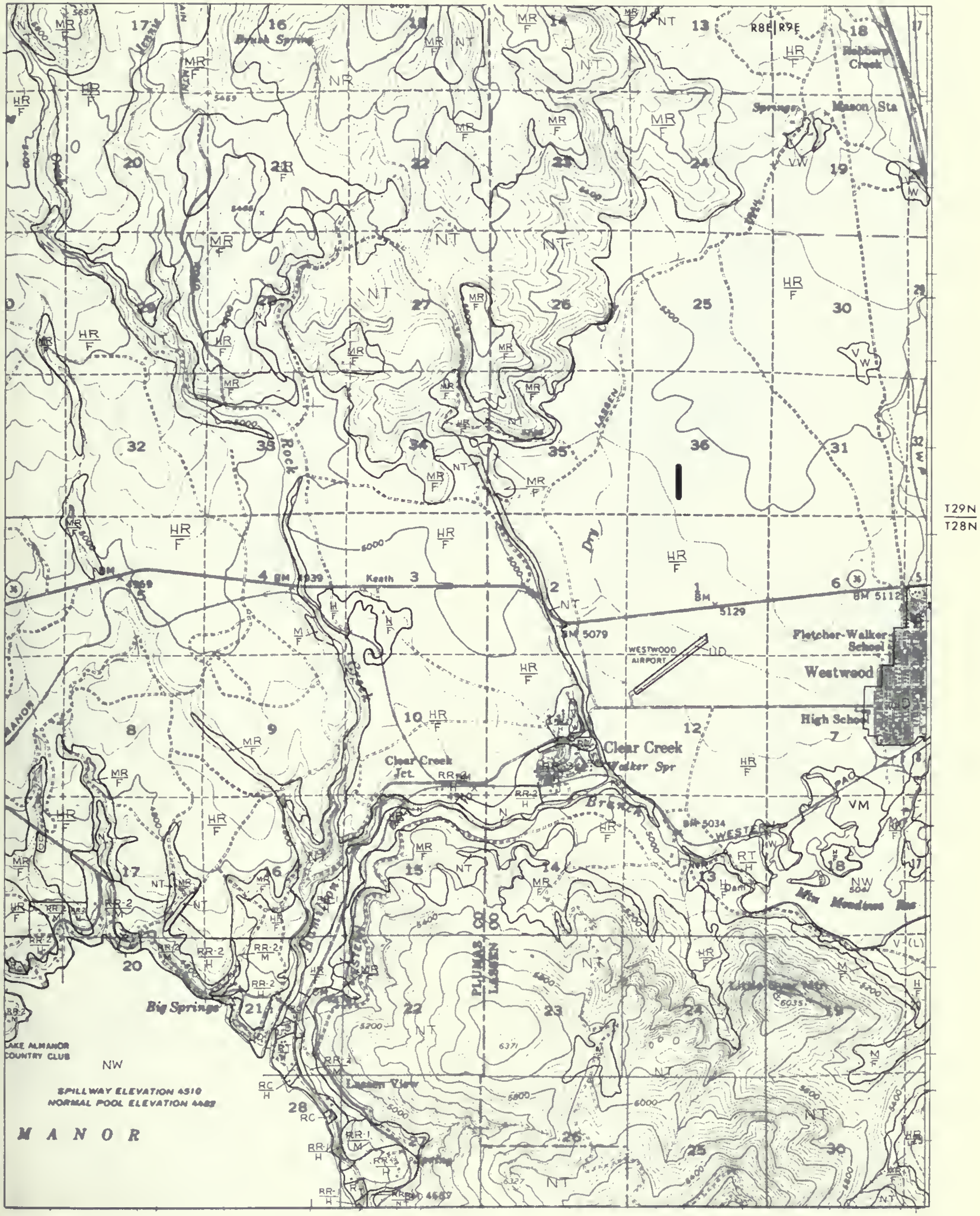
1000 0 2000 4000 6000 FEET

FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
CHESTER QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14 28



SCALE
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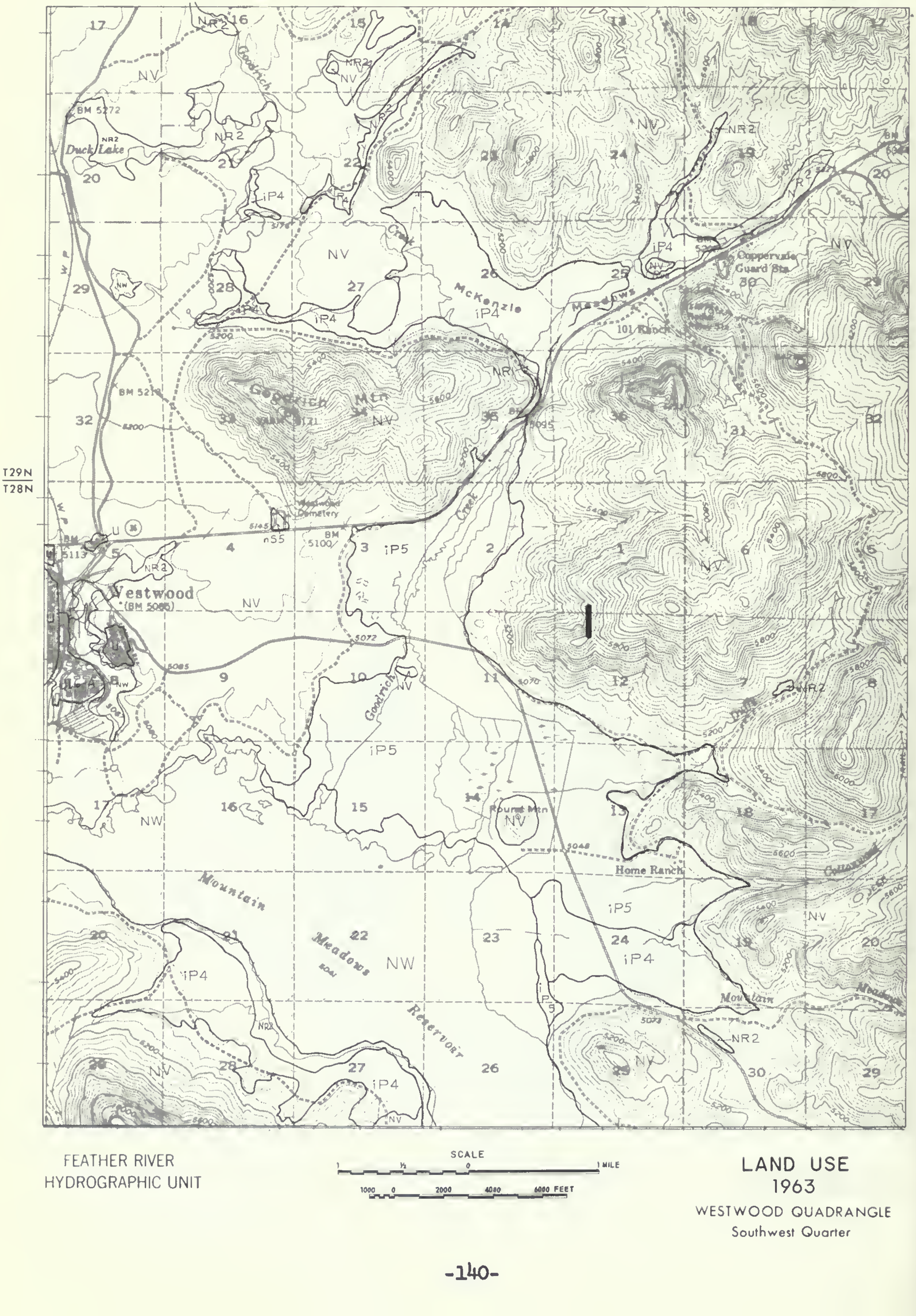
FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
CHESTER QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-29



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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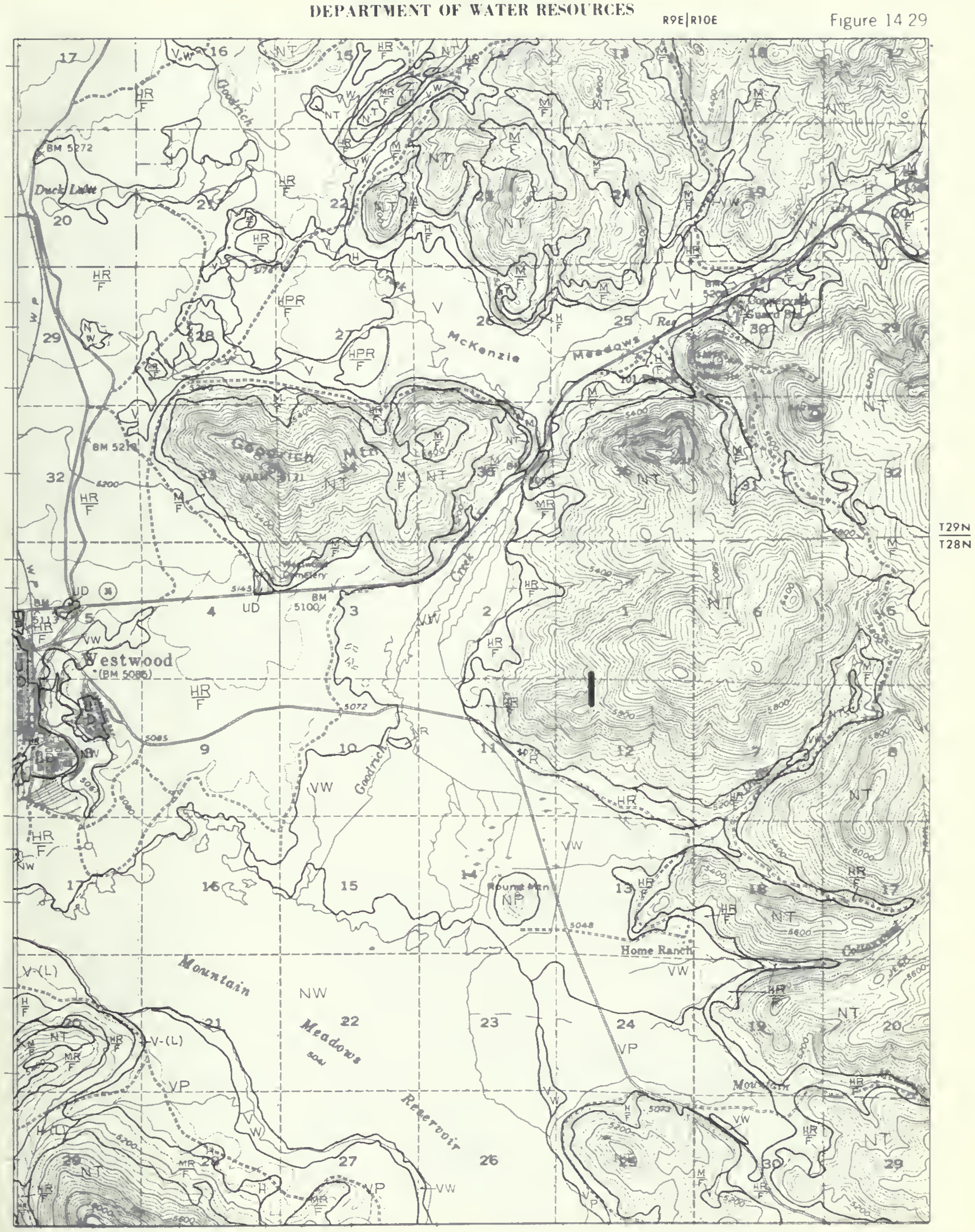
1000 0 2000 4000 6000 FEET

LAND USE
1963
WESTWOOD QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14 29

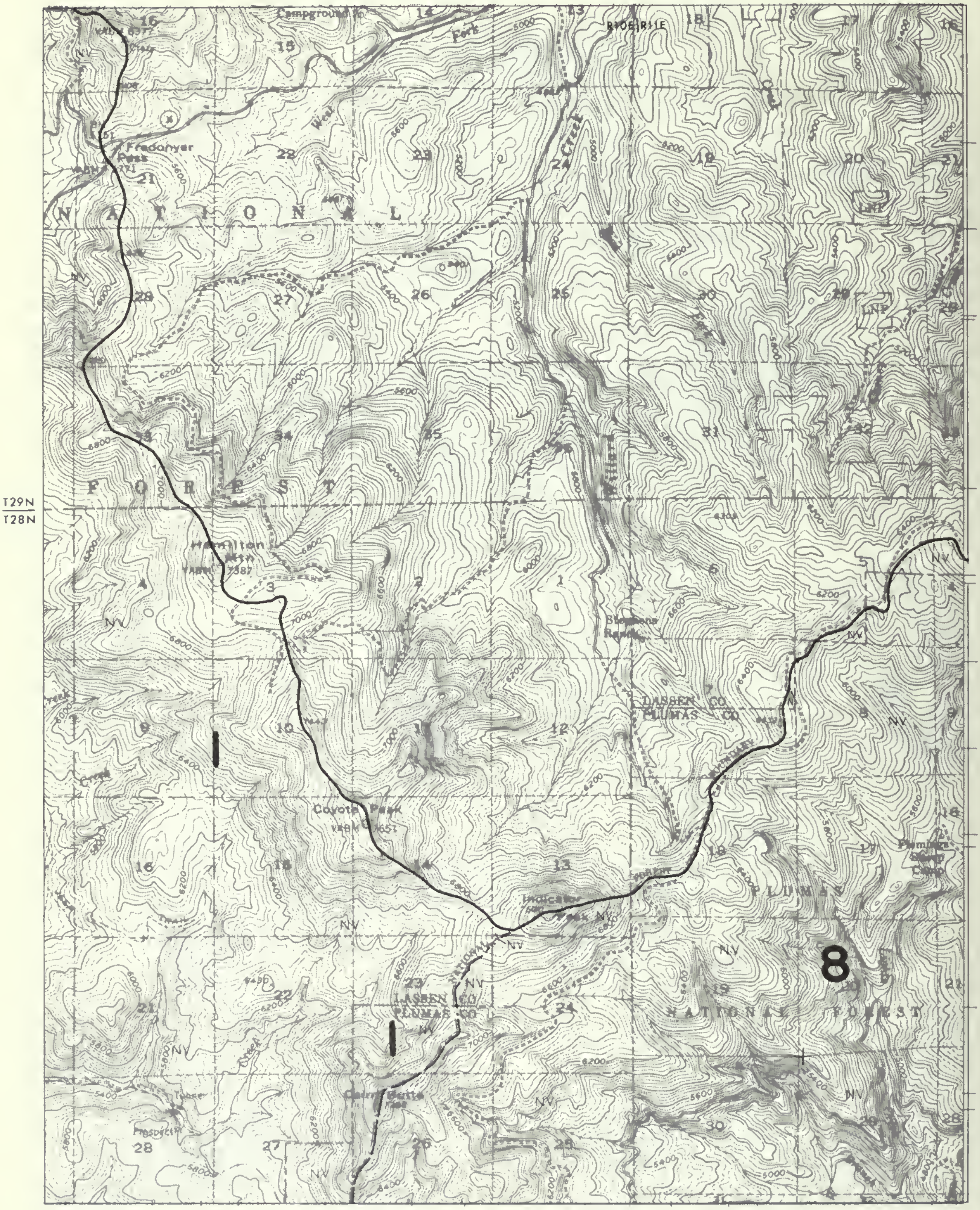


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
WESTWOOD QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-30



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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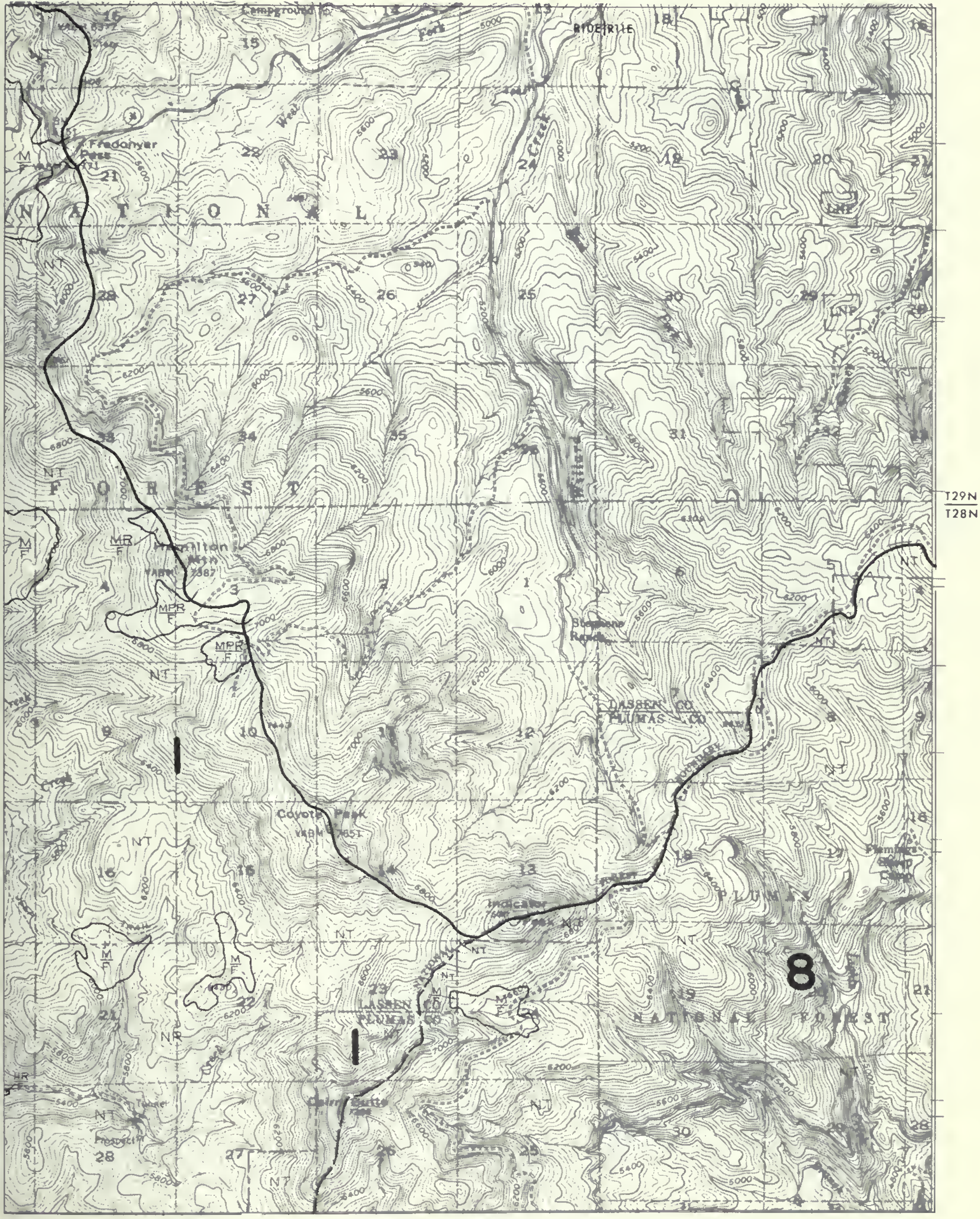
1000 0 2000 4000 6000 FEET

LAND USE
1963
WESTWOOD QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-30



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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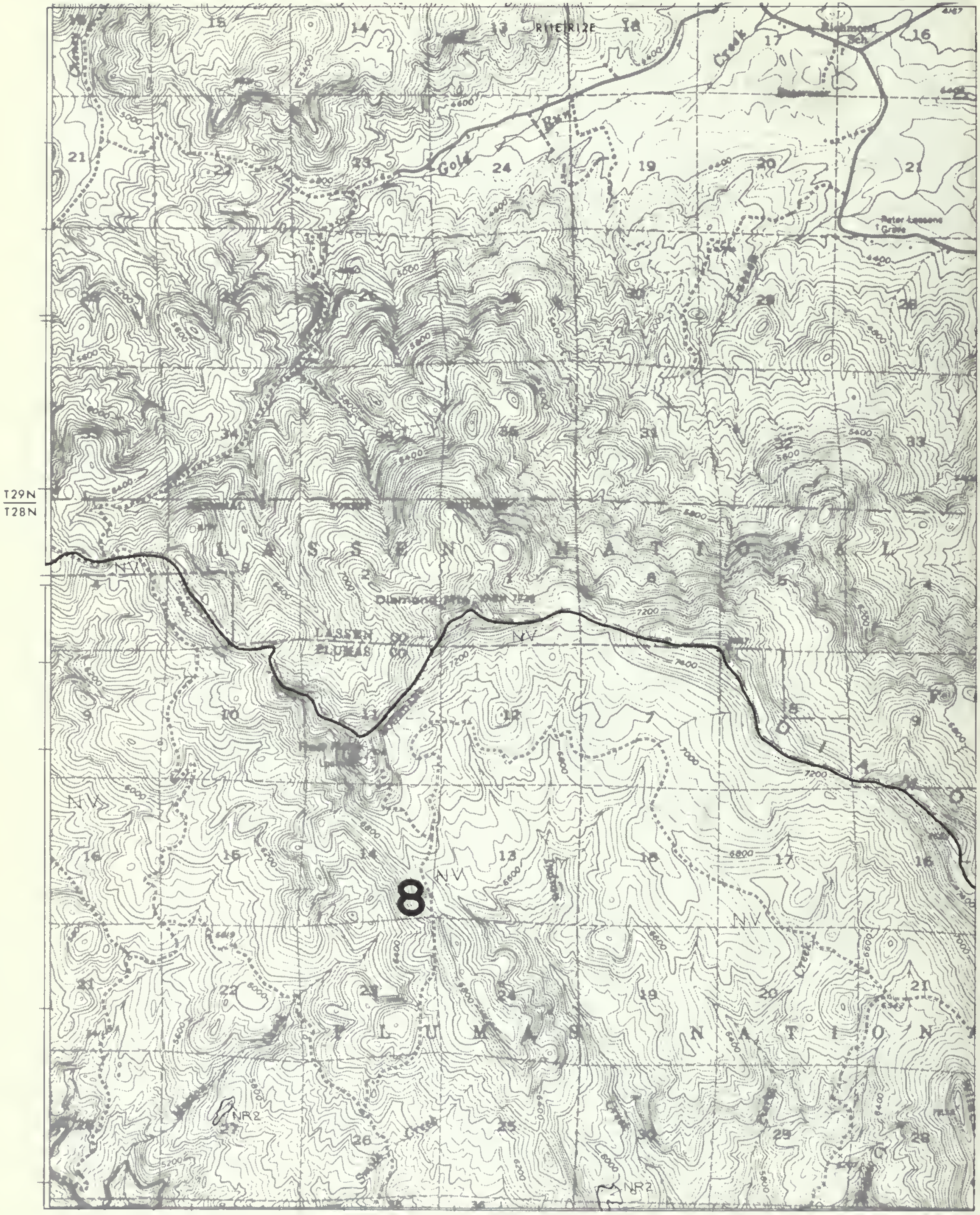
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
WESTWOOD QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-31



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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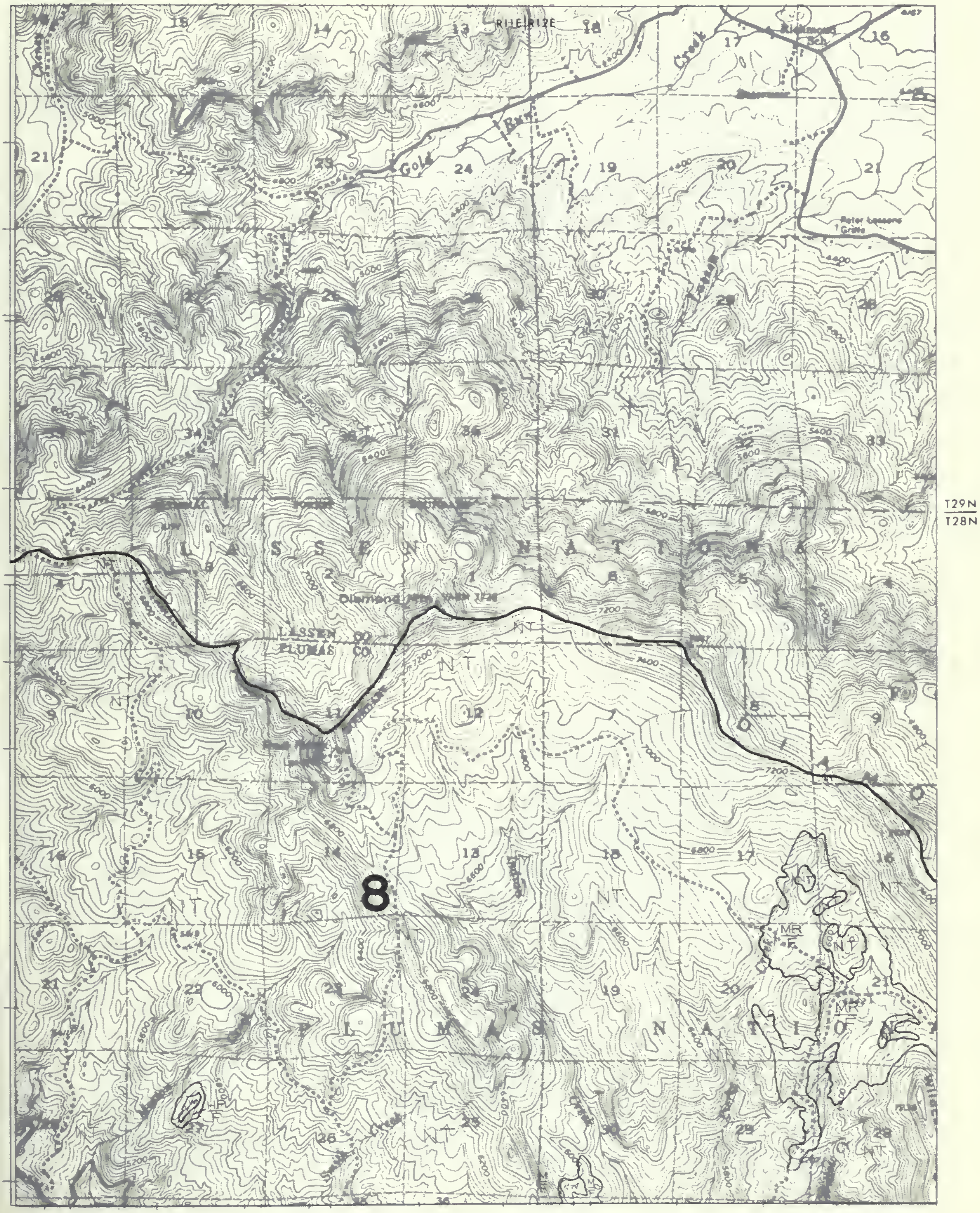
1000 0 2000 4000 6000 FEET

LAND USE
1963
SUSANVILLE QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14 31



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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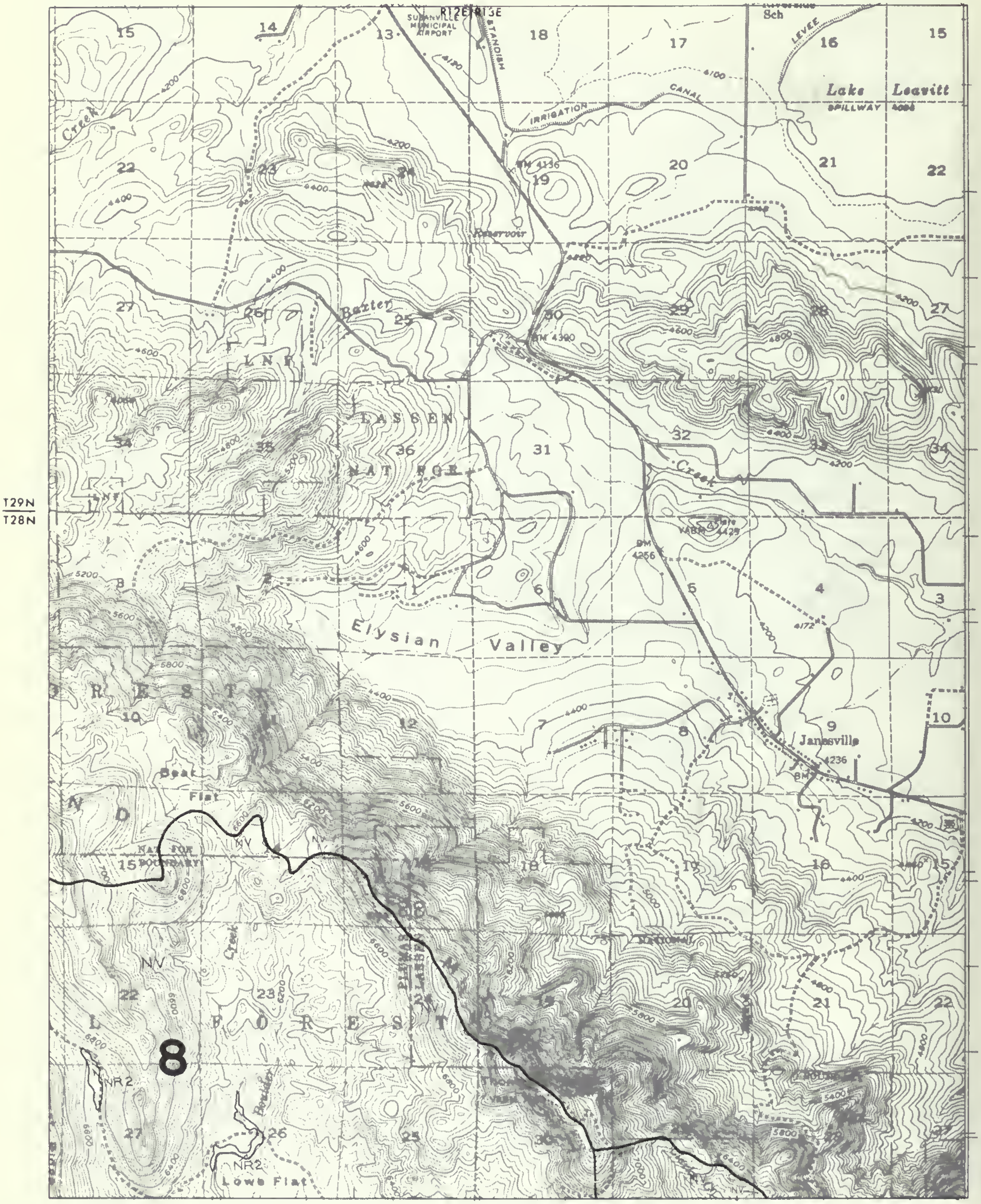
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
SUSANVILLE QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-32



FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
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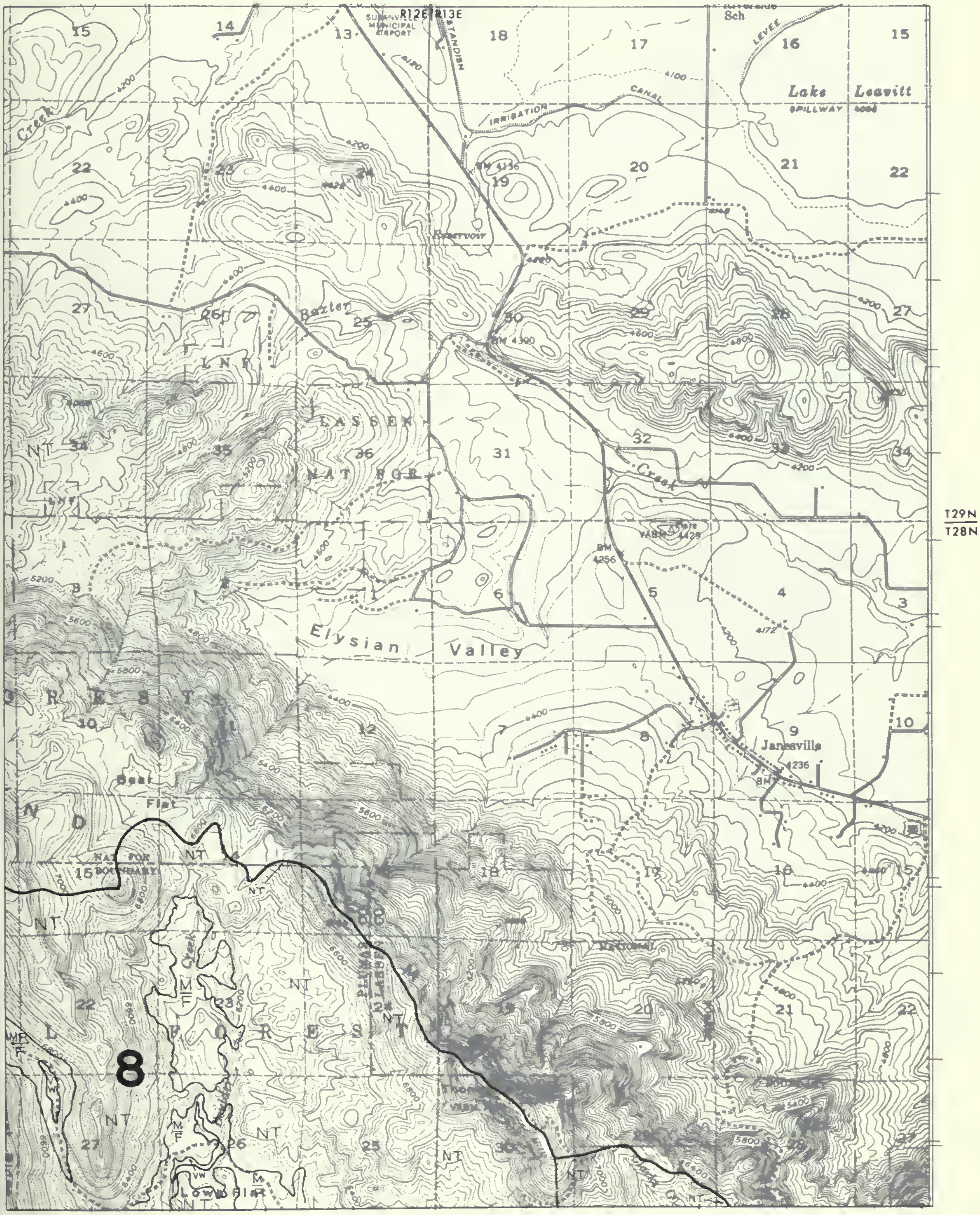
SUSANVILLE QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 14-32



FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
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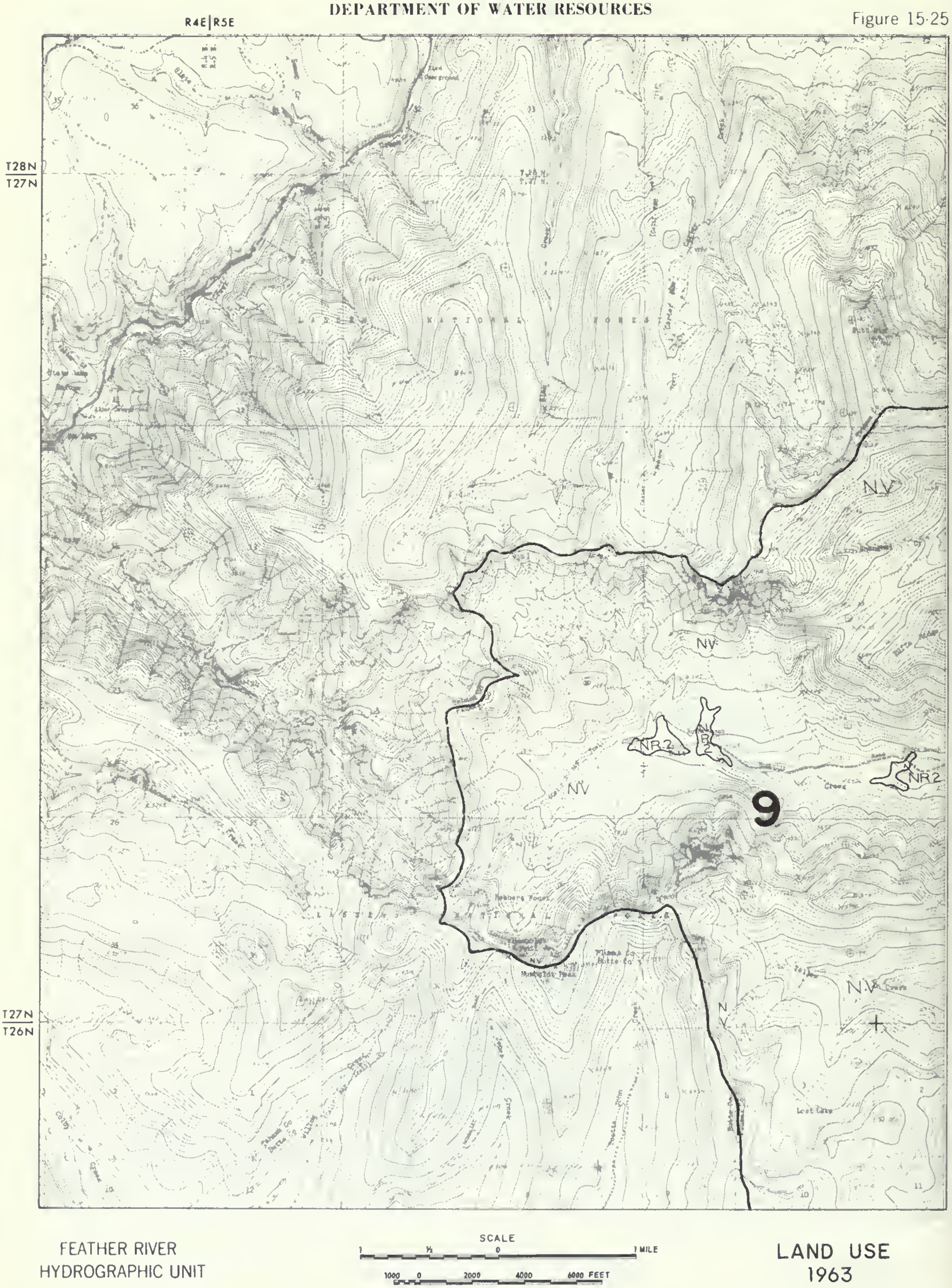
SUSANVILLE QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-25

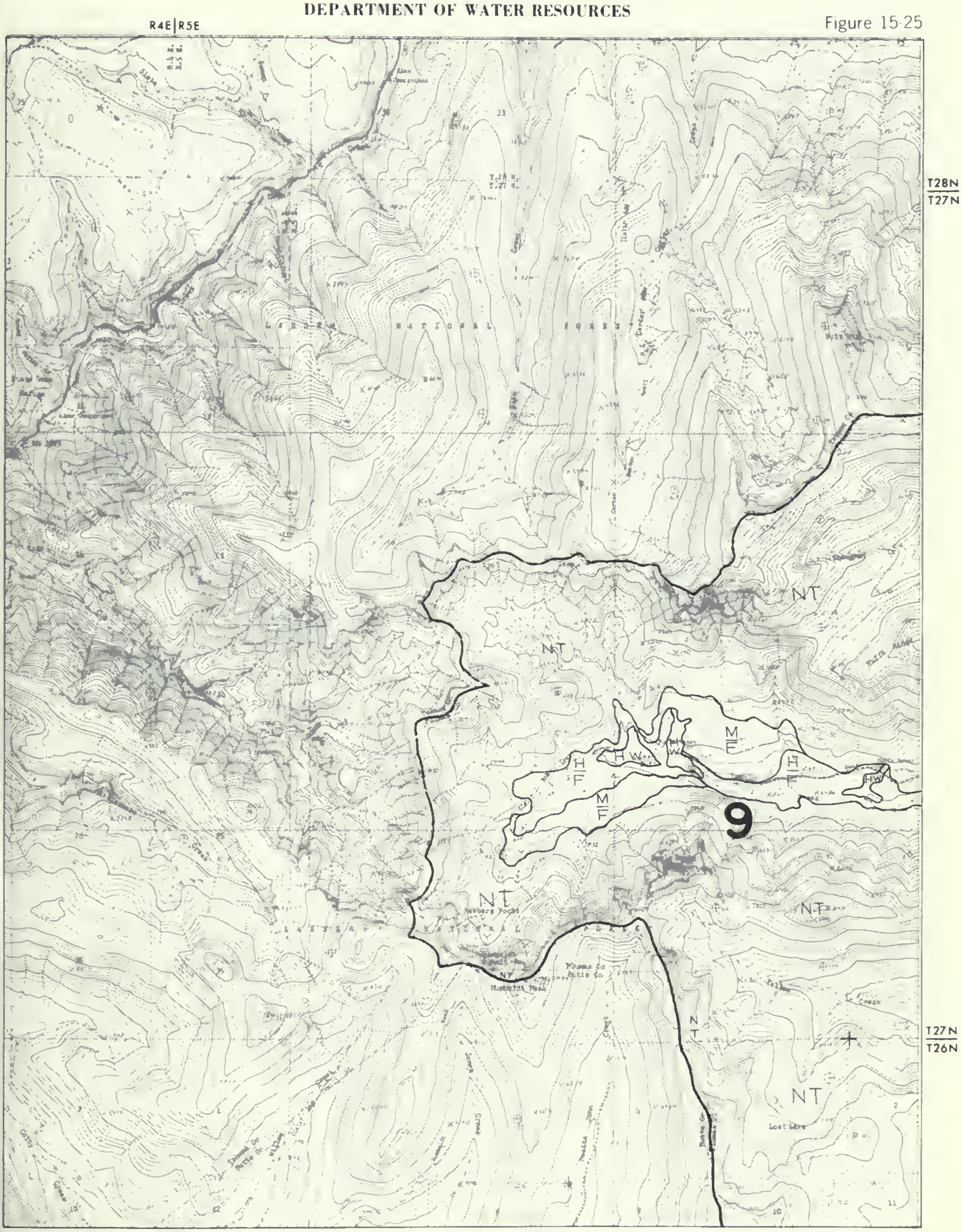


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
PEACOCK POINT QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-25



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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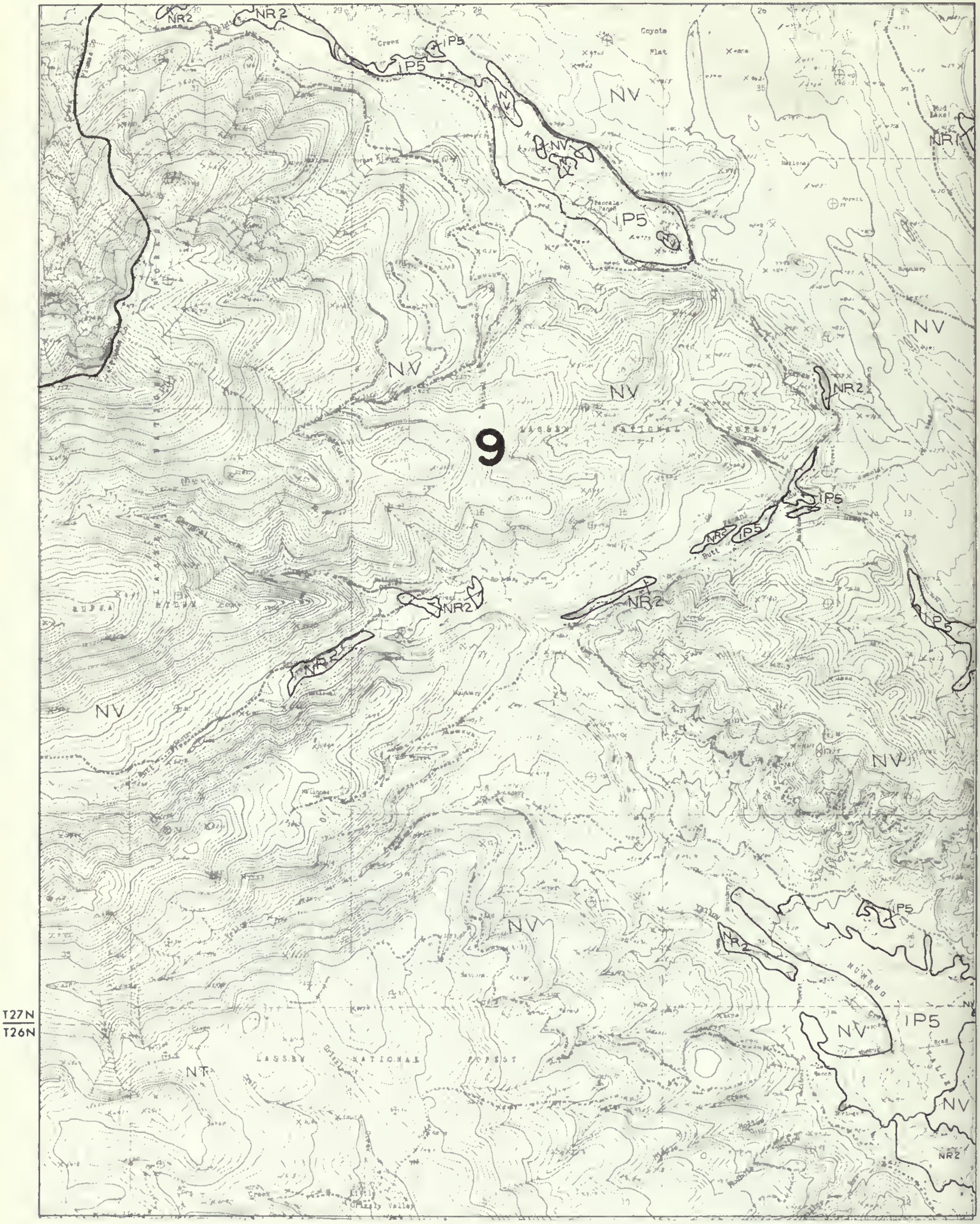
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
PEACOCK POINT QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-26



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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LAND USE
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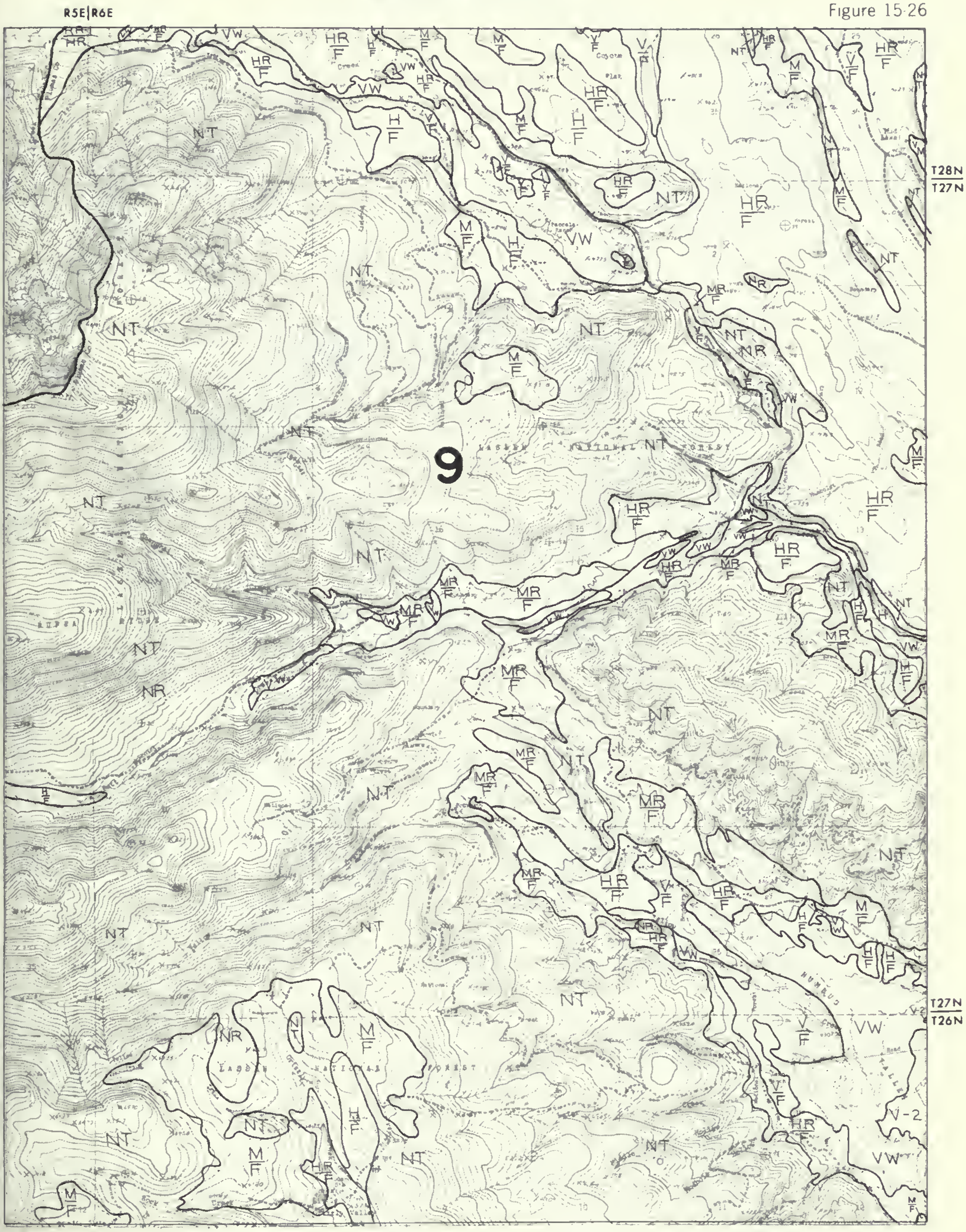
PEACOCK POINT QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-26



FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
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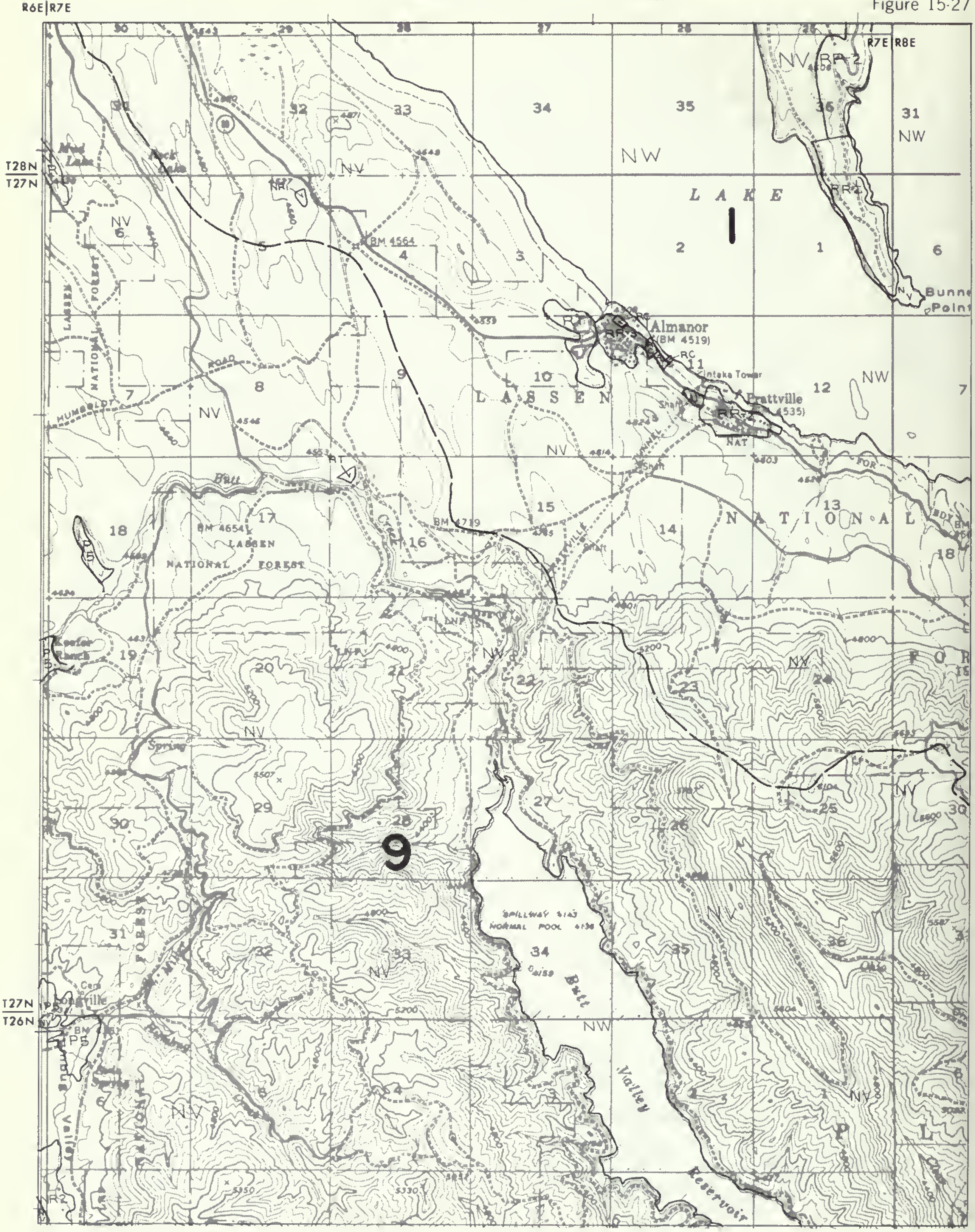
PEACOCK POINT QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-27

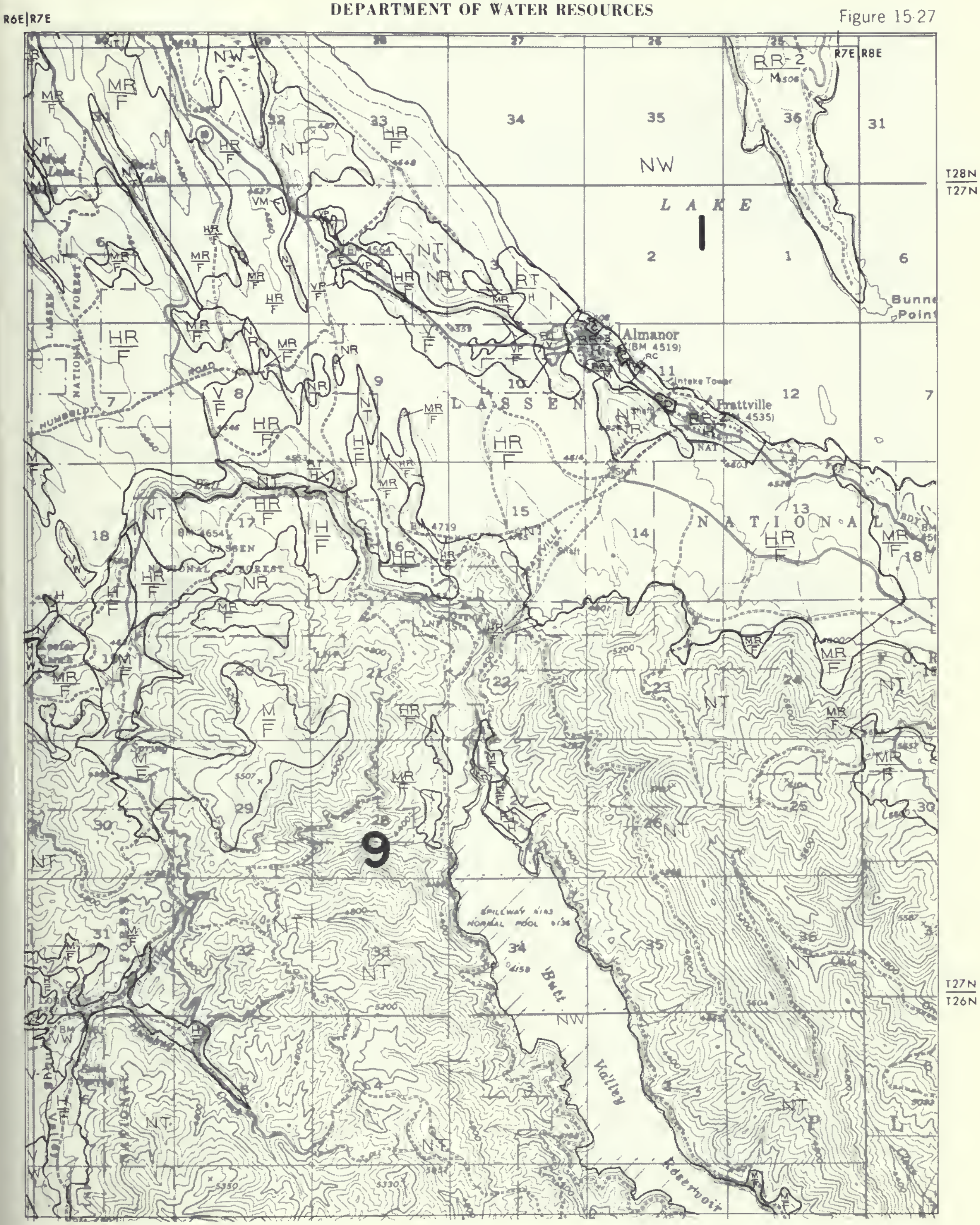


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
ALMANOR QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-27



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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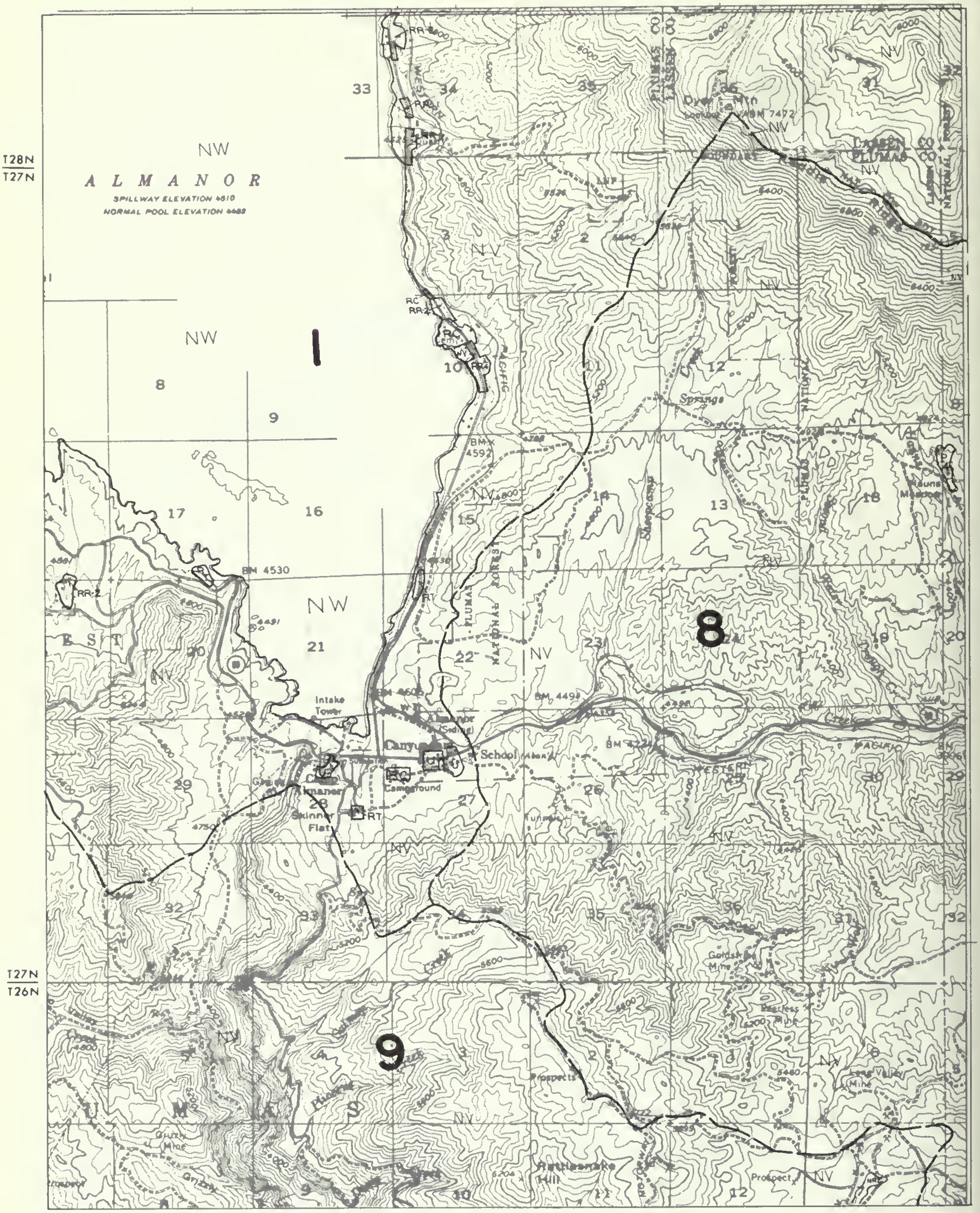
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
ALMANOR QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-28

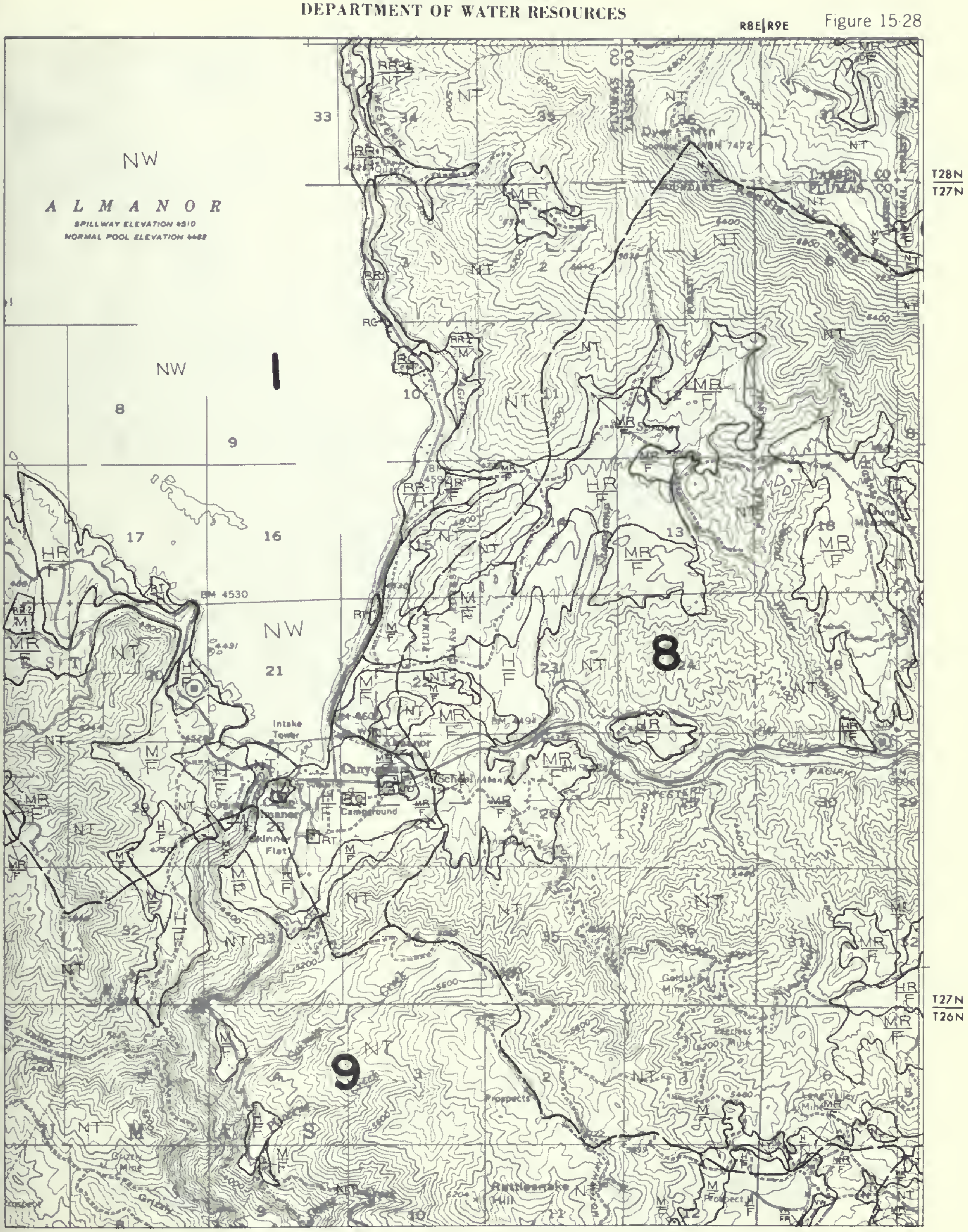


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
ALMANOR QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-28



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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CLASSIFICATION OF LANDS
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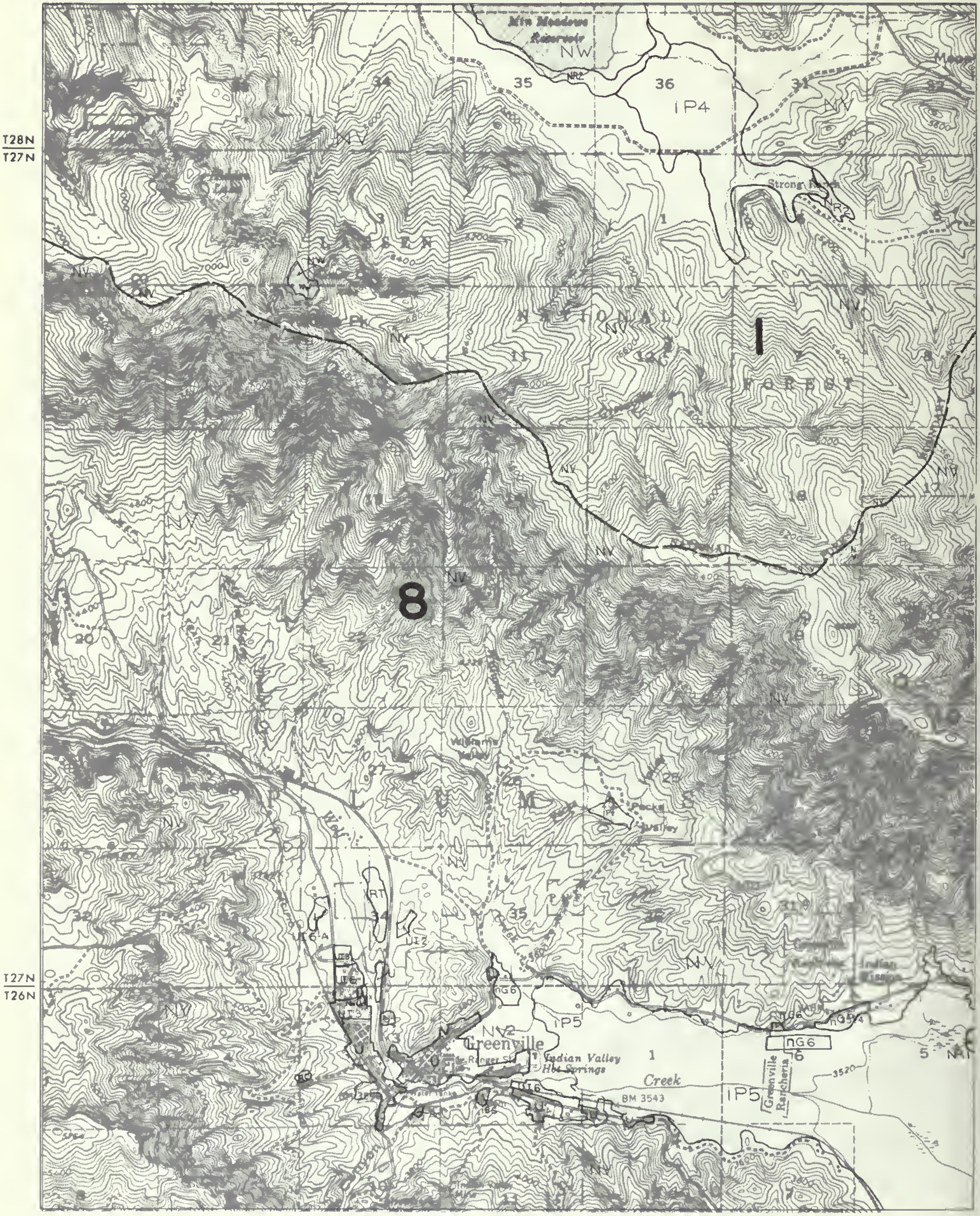
ALMANOR QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-29



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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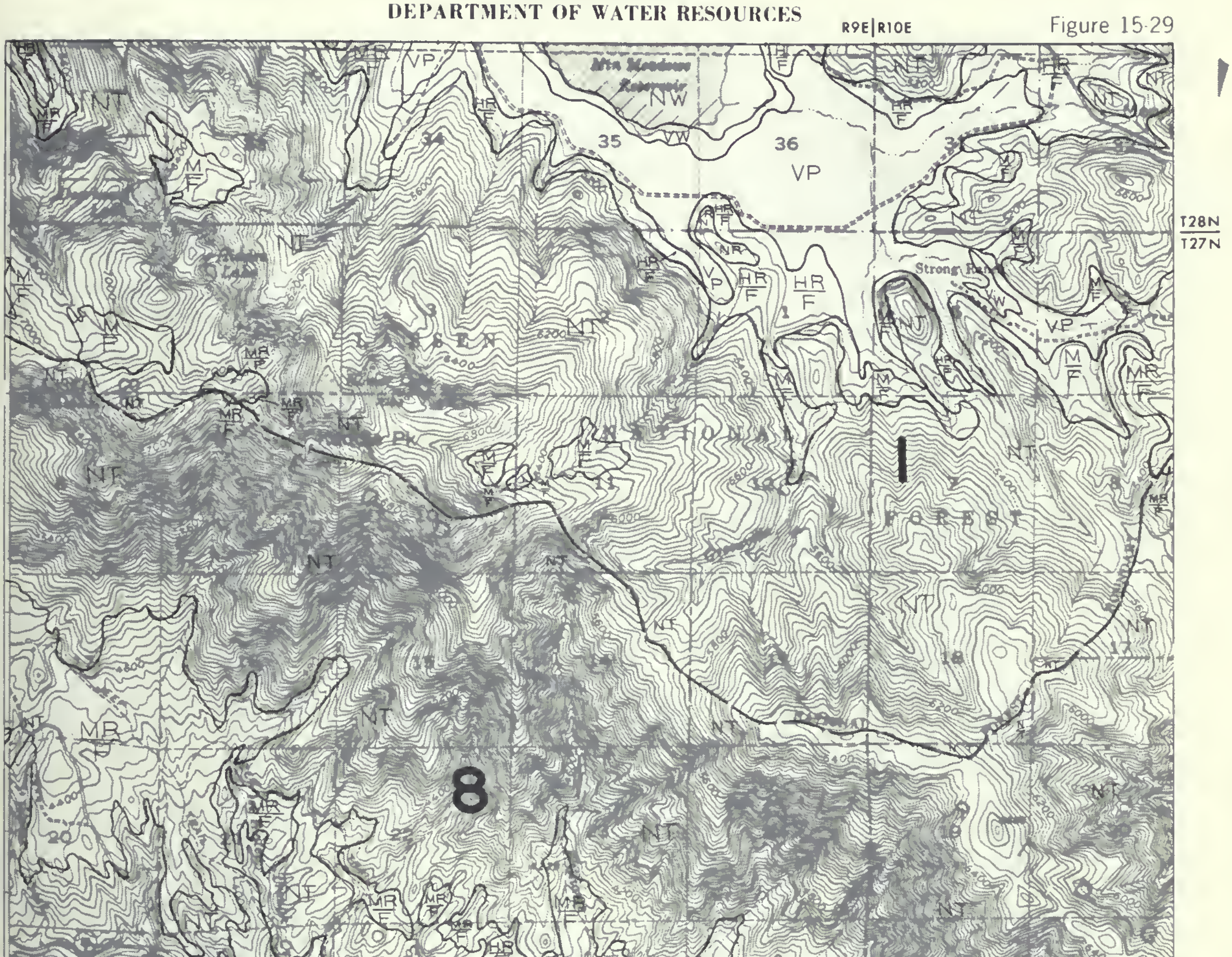
LAND USE
1963

GREENVILLE QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-29



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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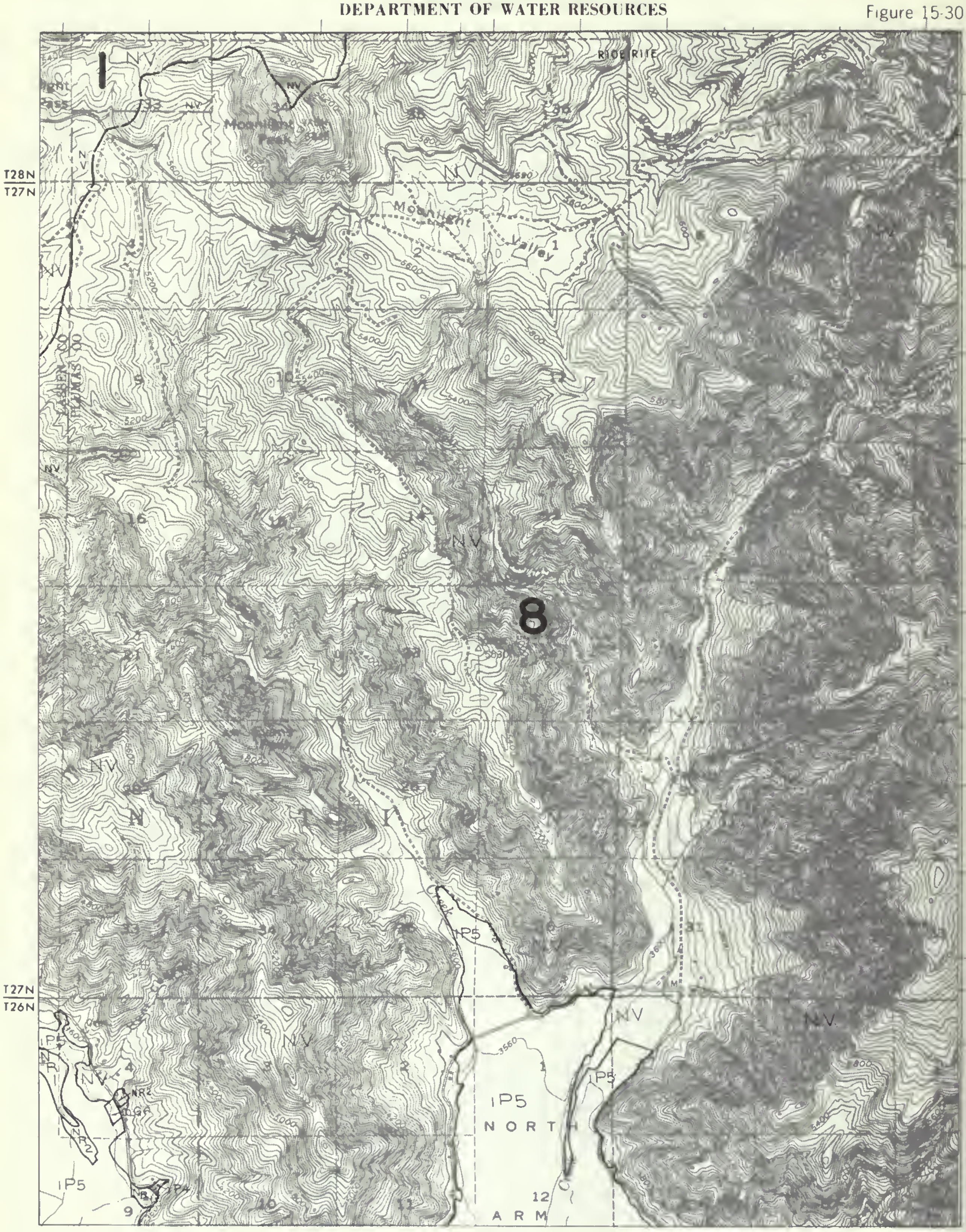
CLASSIFICATION OF LANDS
1963
GREENVILLE QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-30

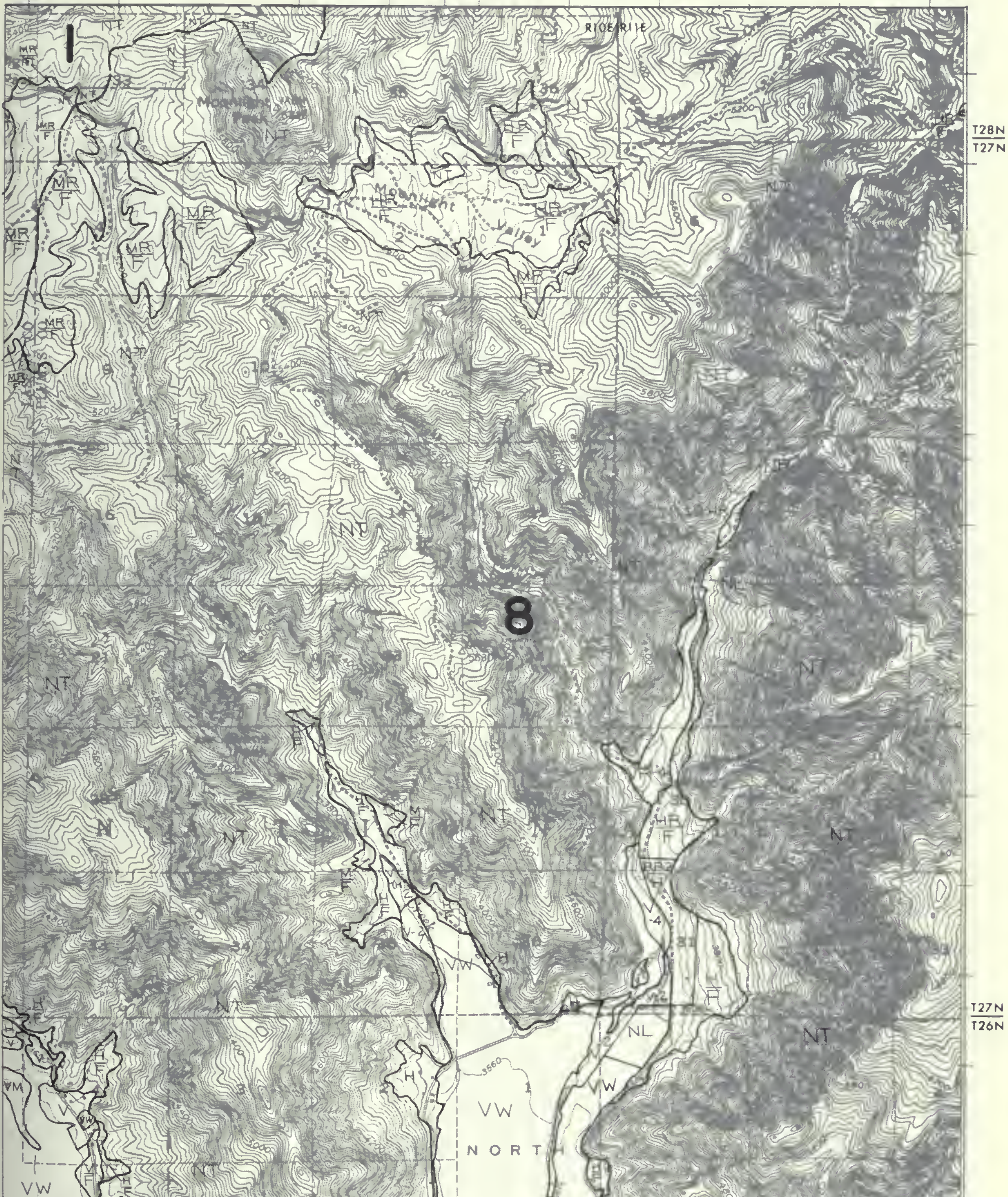


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
GREENVILLE QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-30



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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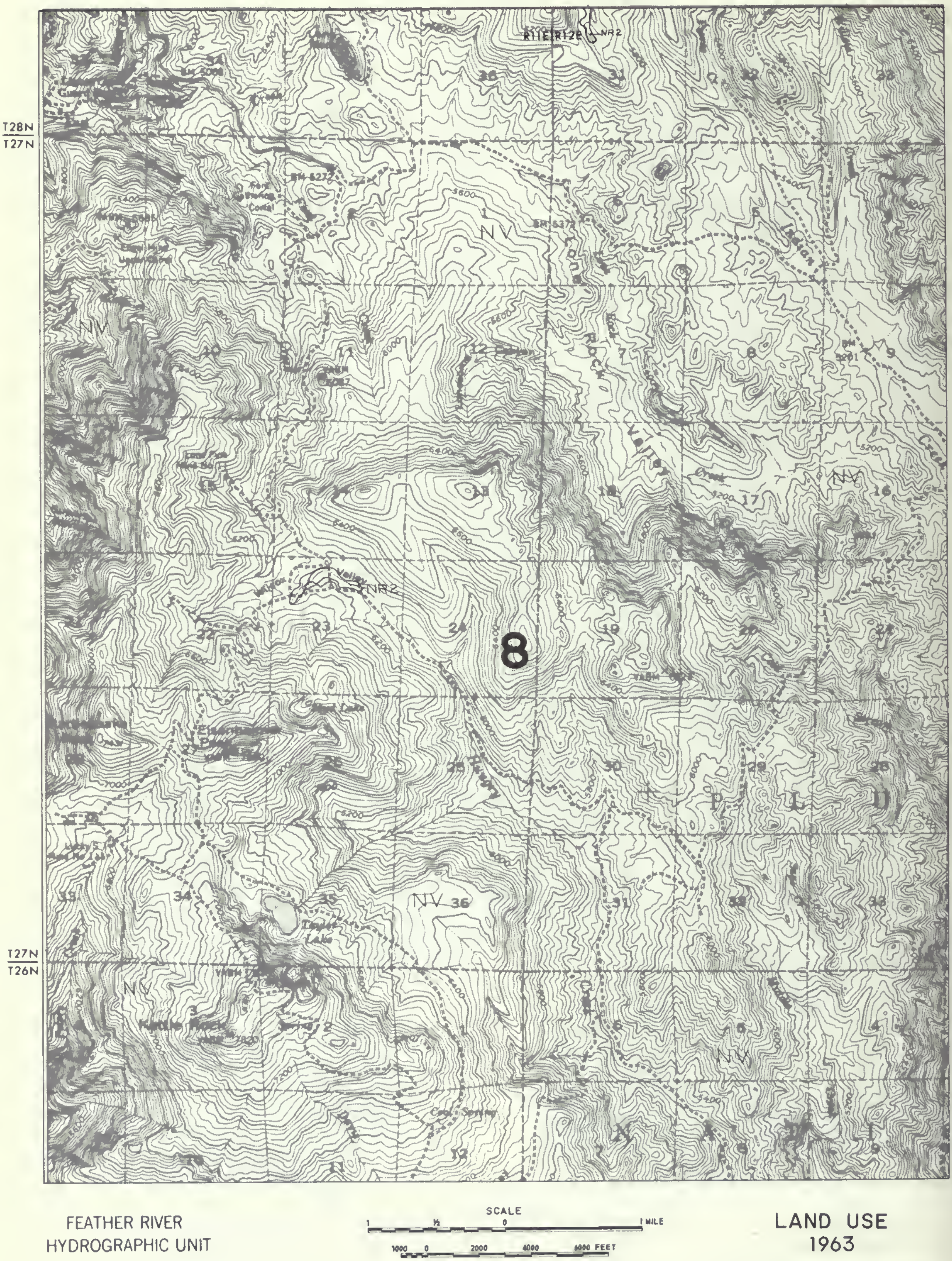
CLASSIFICATION OF LANDS
1963
GREENVILLE QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-31



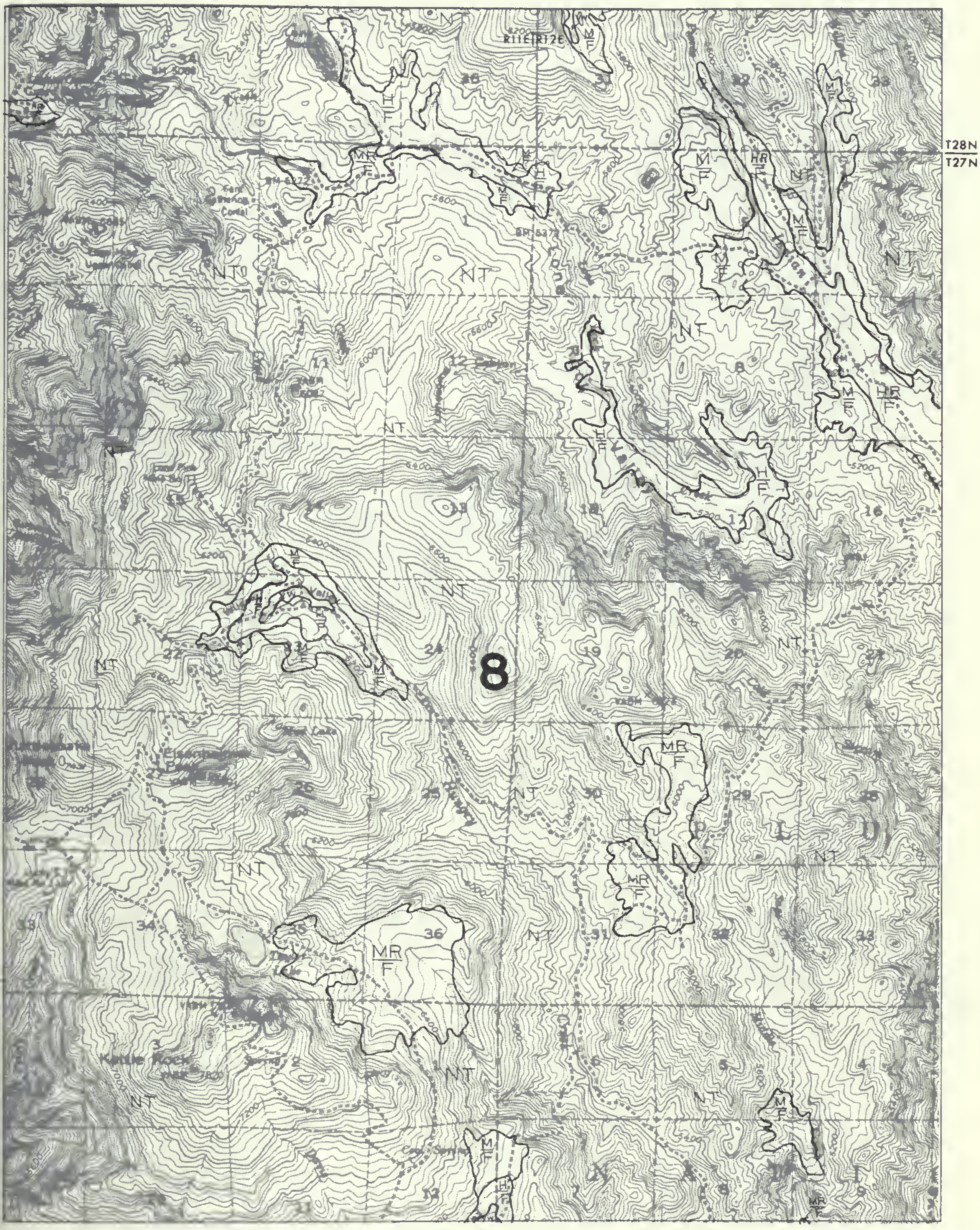
FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963

KETTLE ROCK QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-31



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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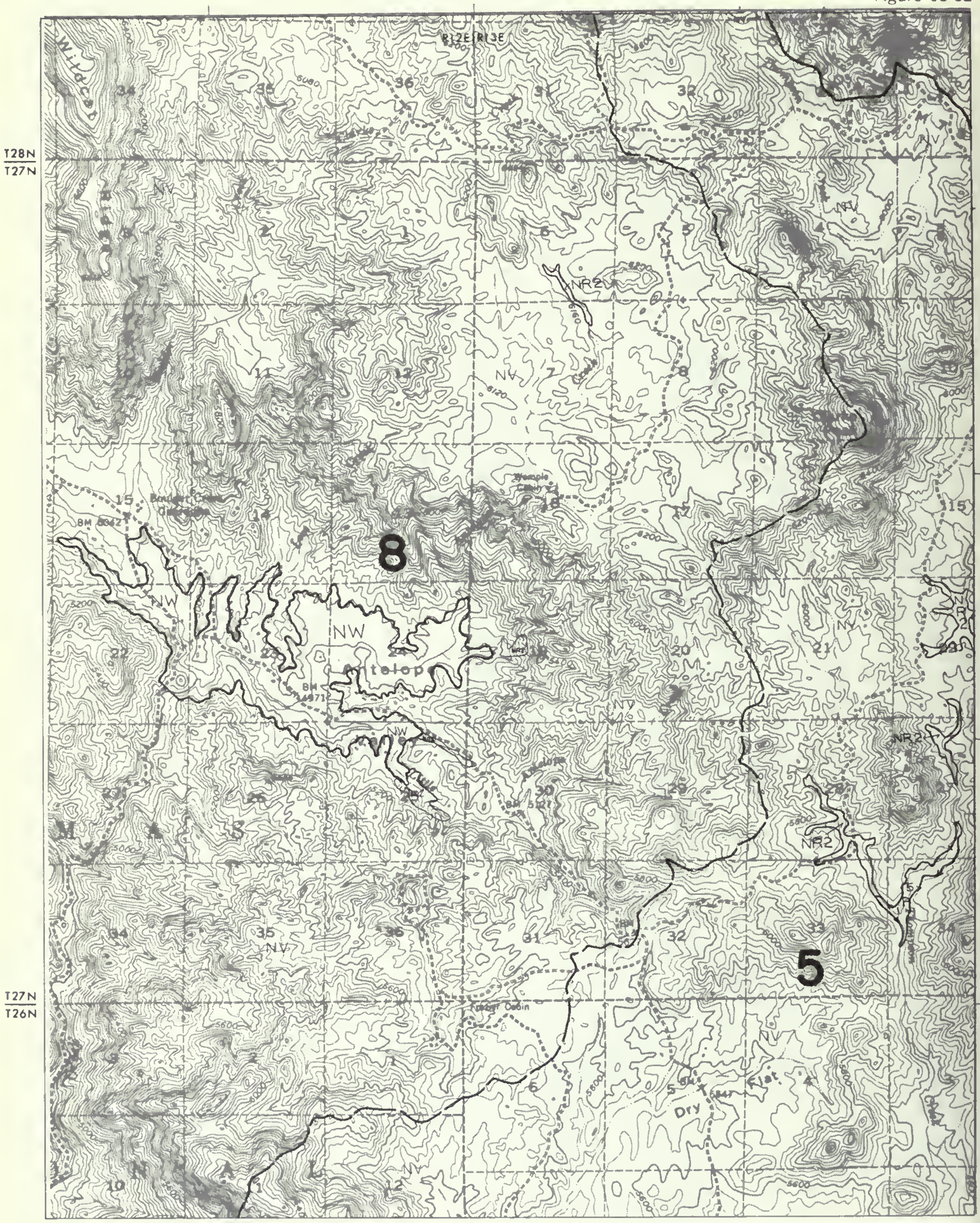
CLASSIFICATION OF LANDS
1963
KETTLE ROCK QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-32



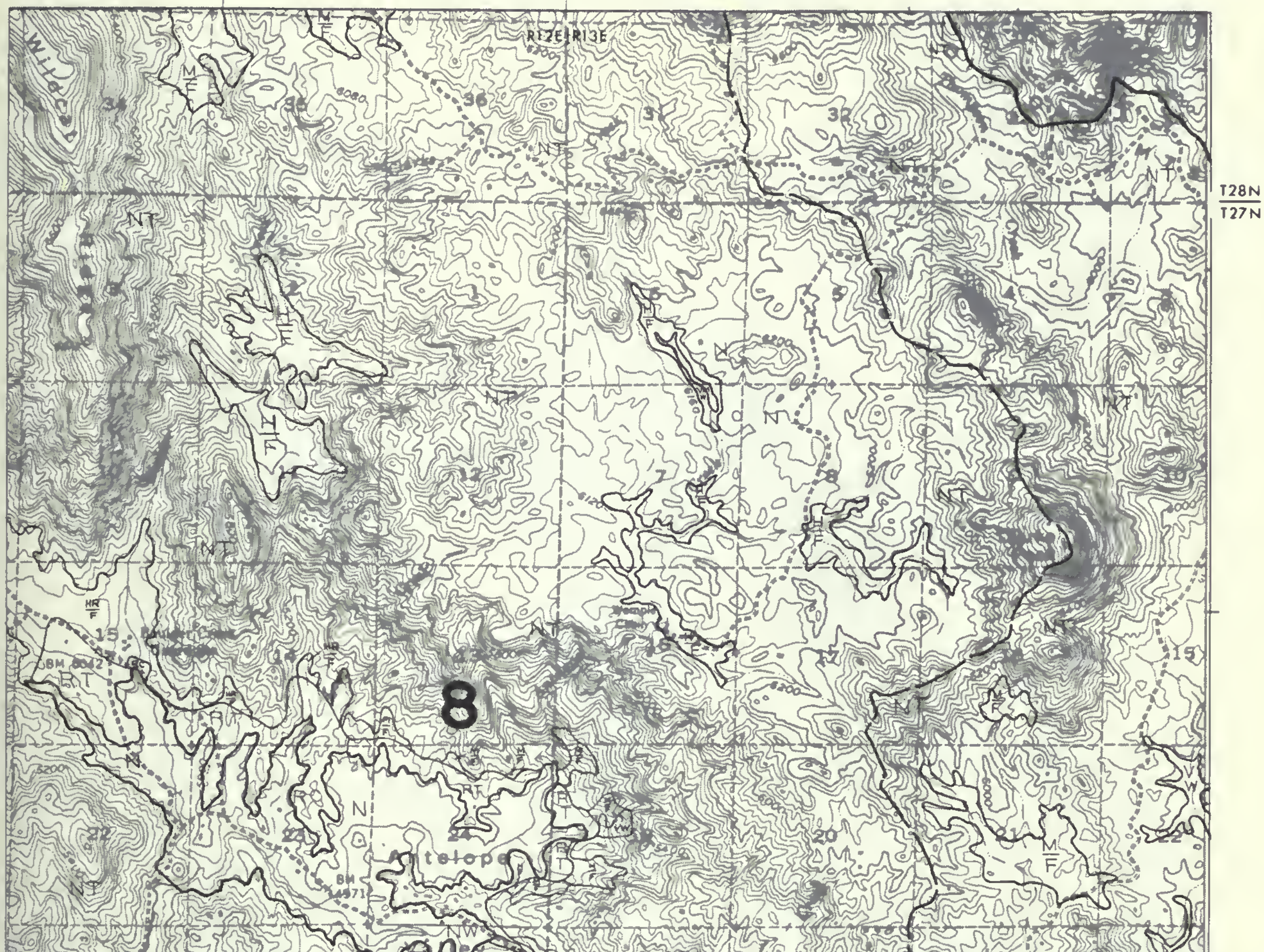
FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963

KETTLE ROCK QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-32

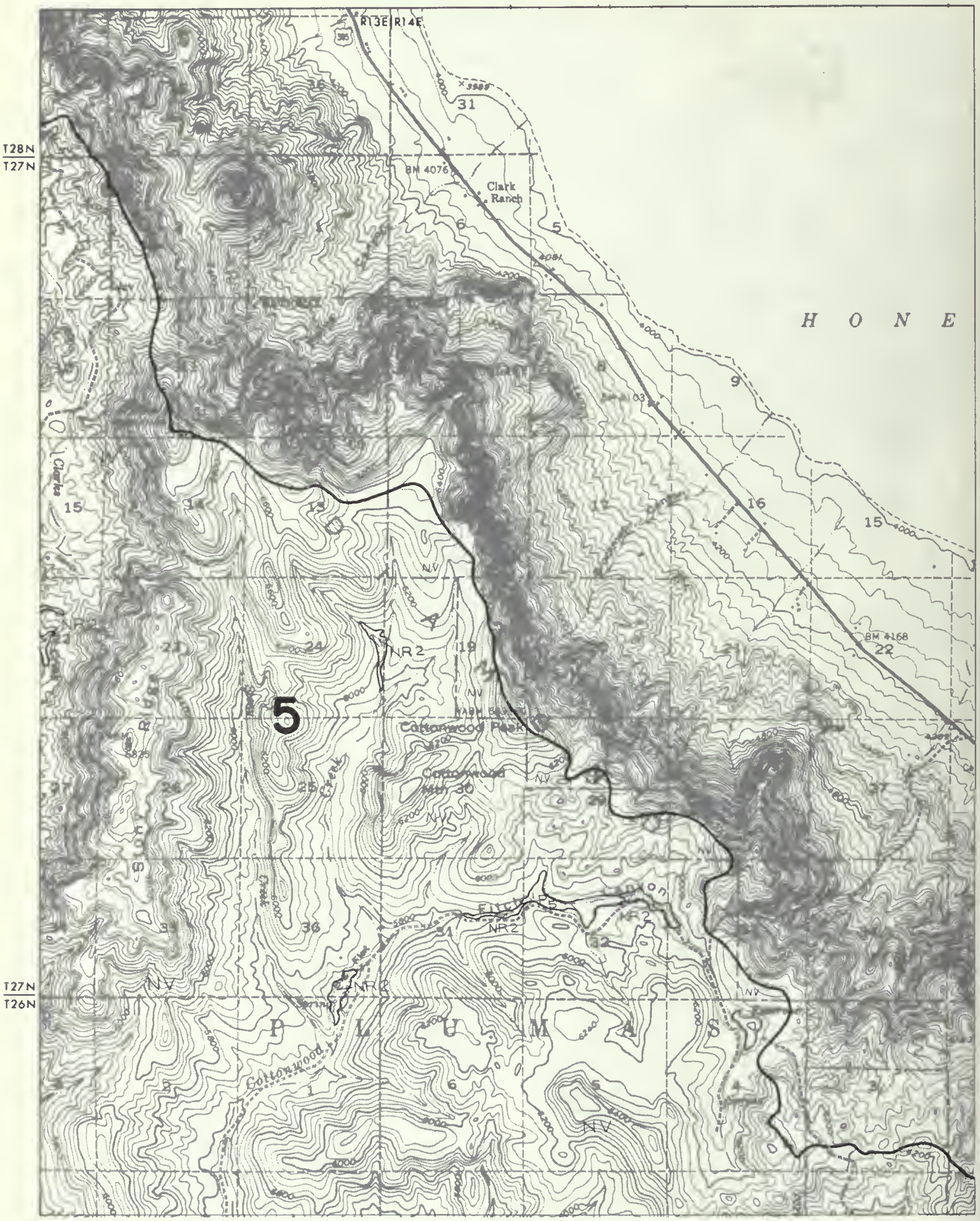


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
KETTLE ROCK QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-33

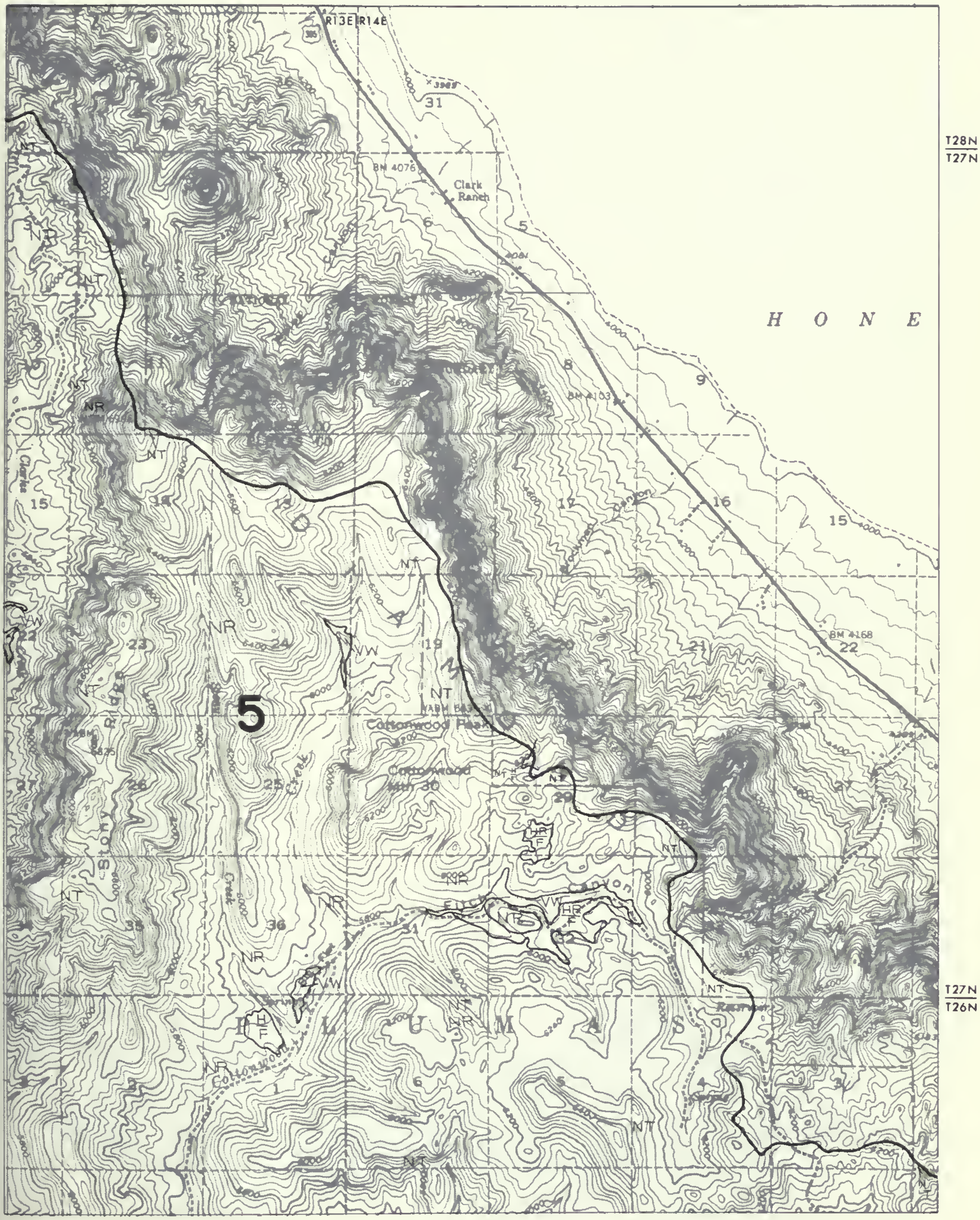


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
MILFORD QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-33



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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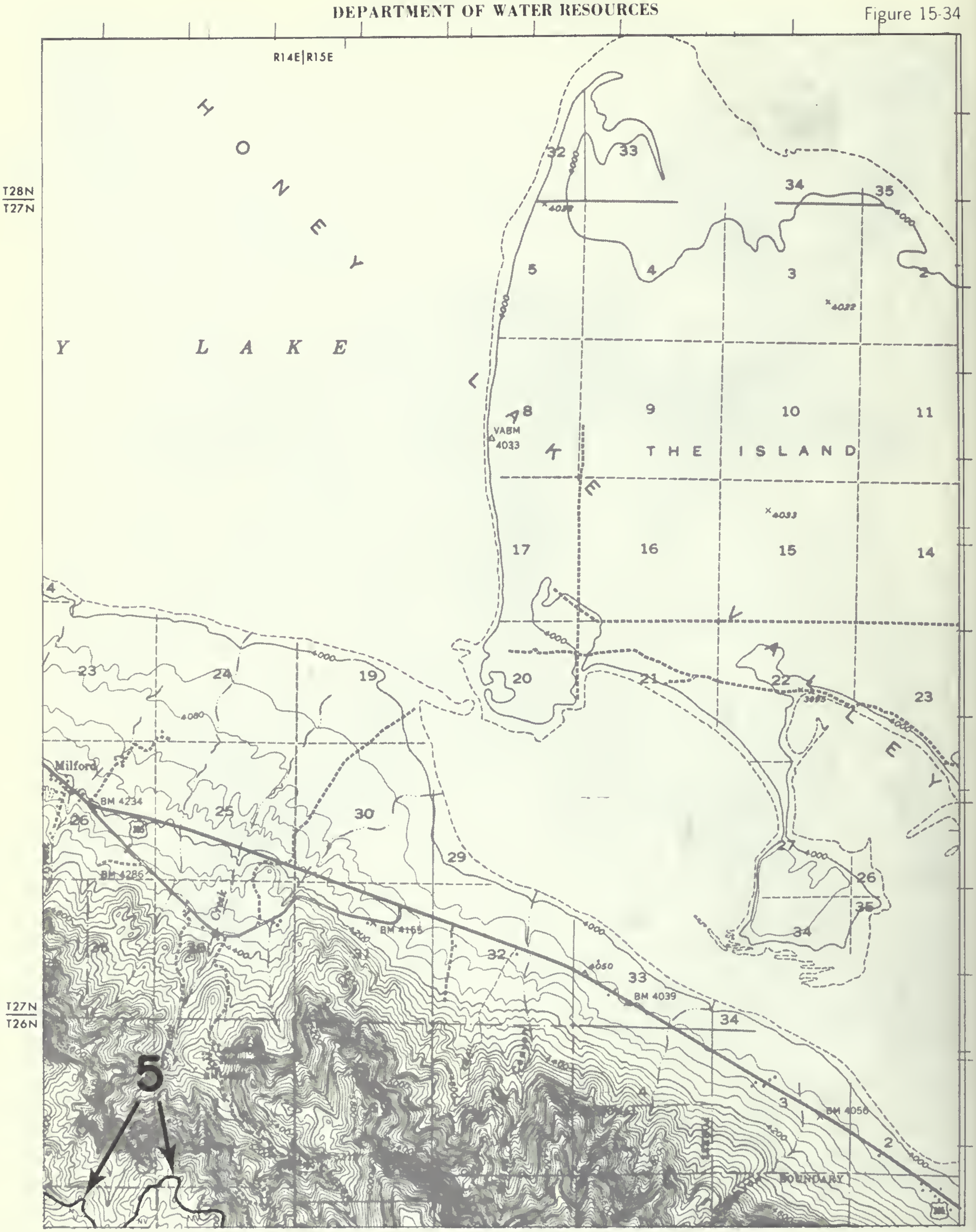
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
MILFORD QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-34



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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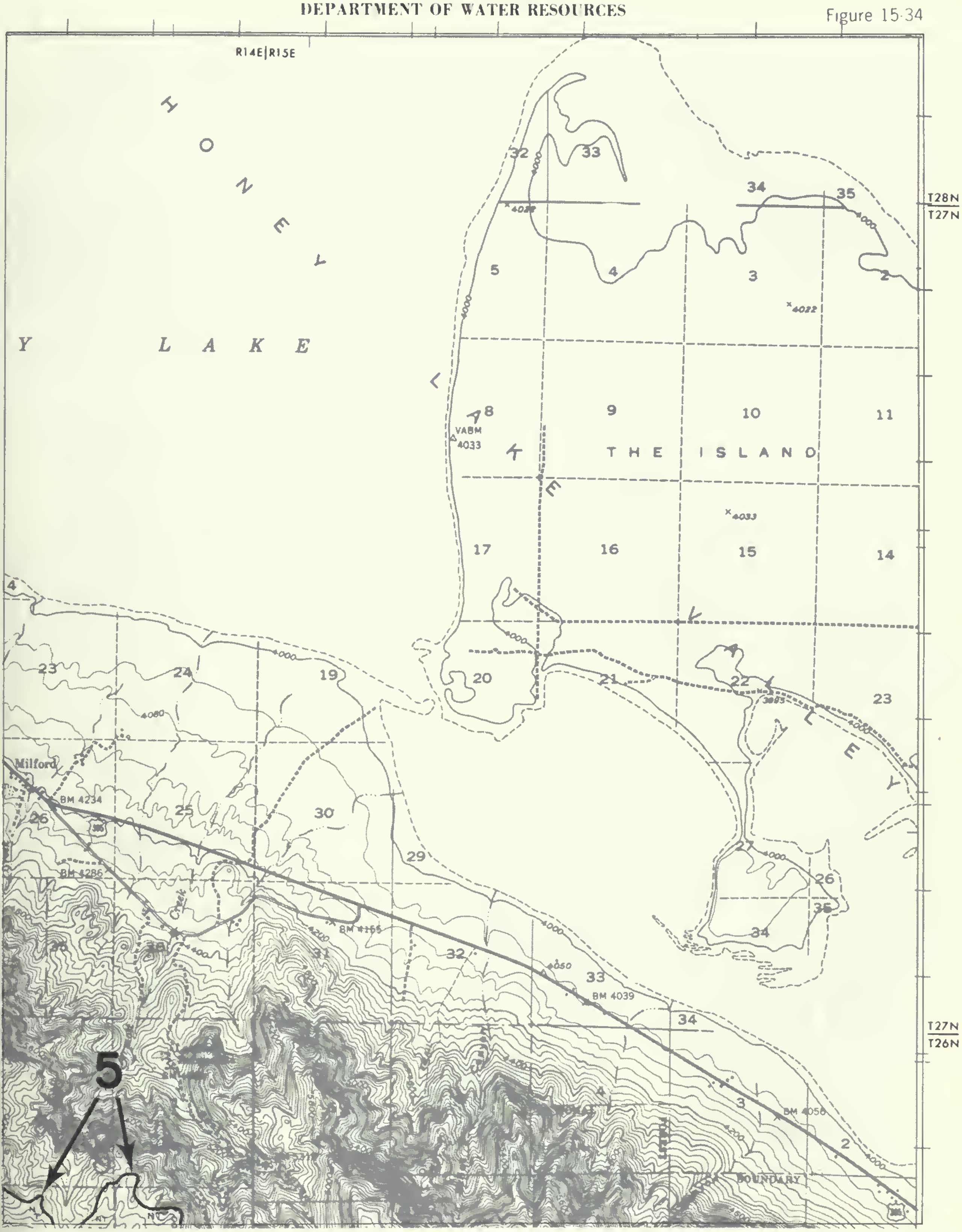
1000 0 2000 4000 6000 FEET

LAND USE
1963
MILFORD QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 15-34

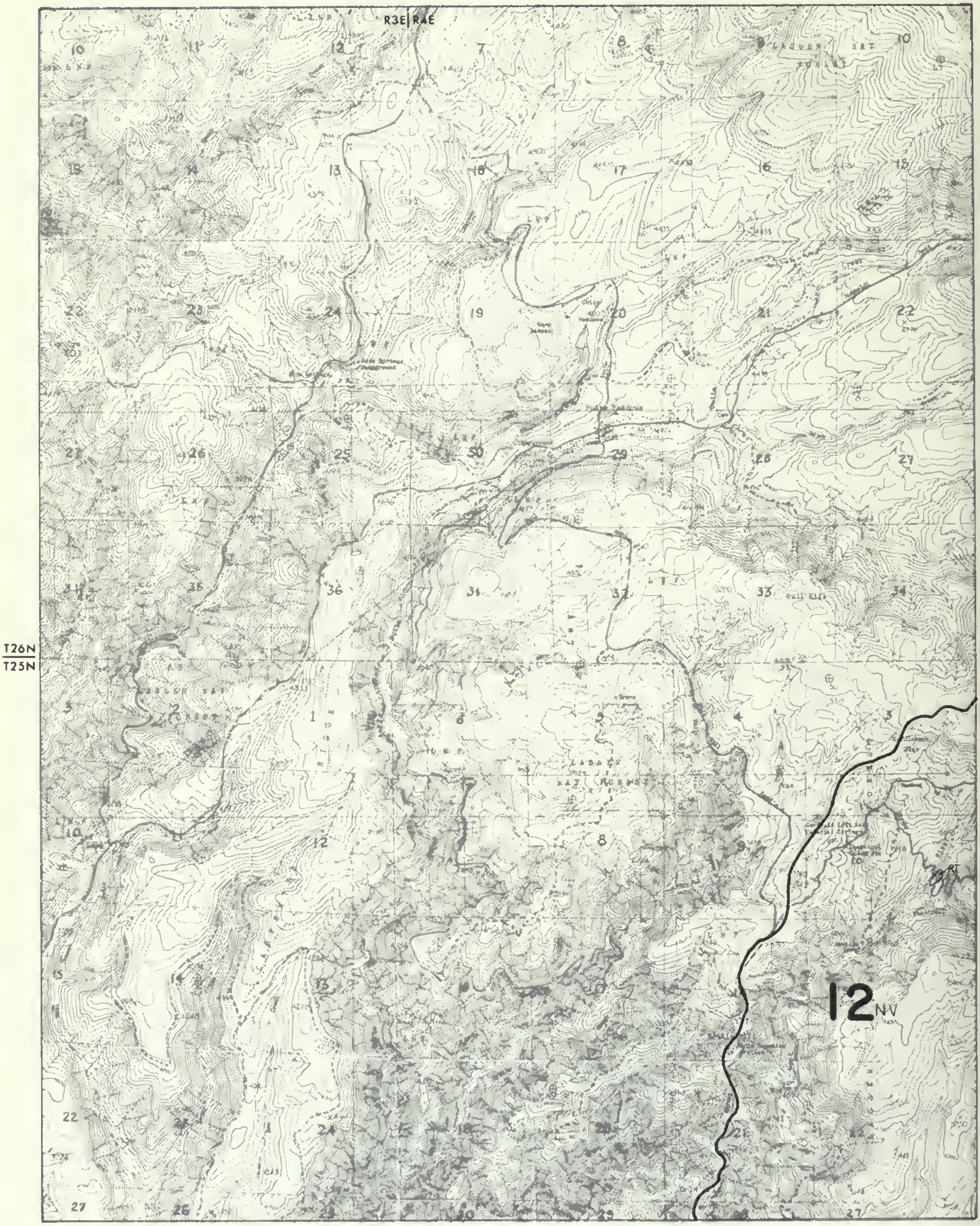


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
MILFORD QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-24

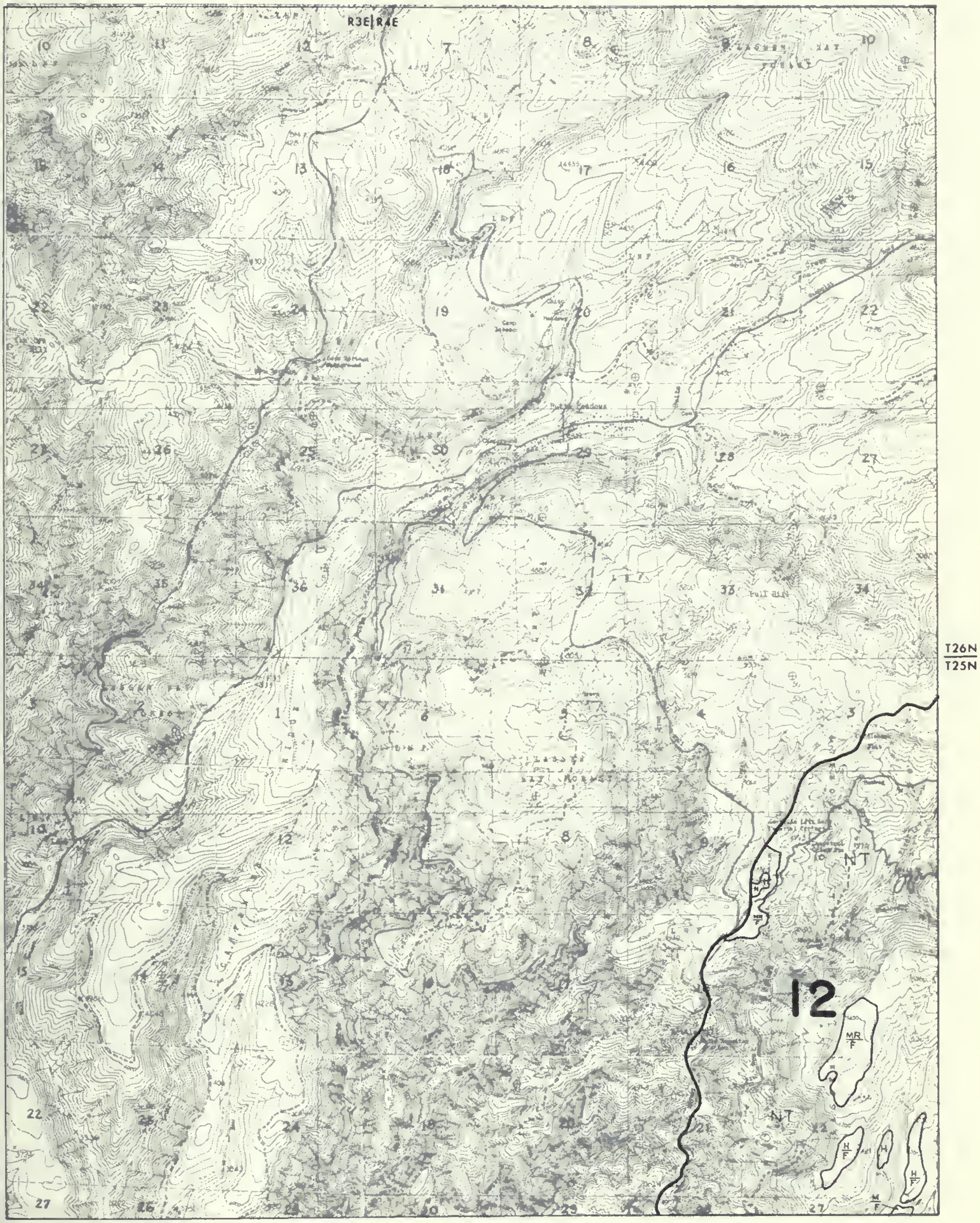


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
BUTTE MEADOWS QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-24

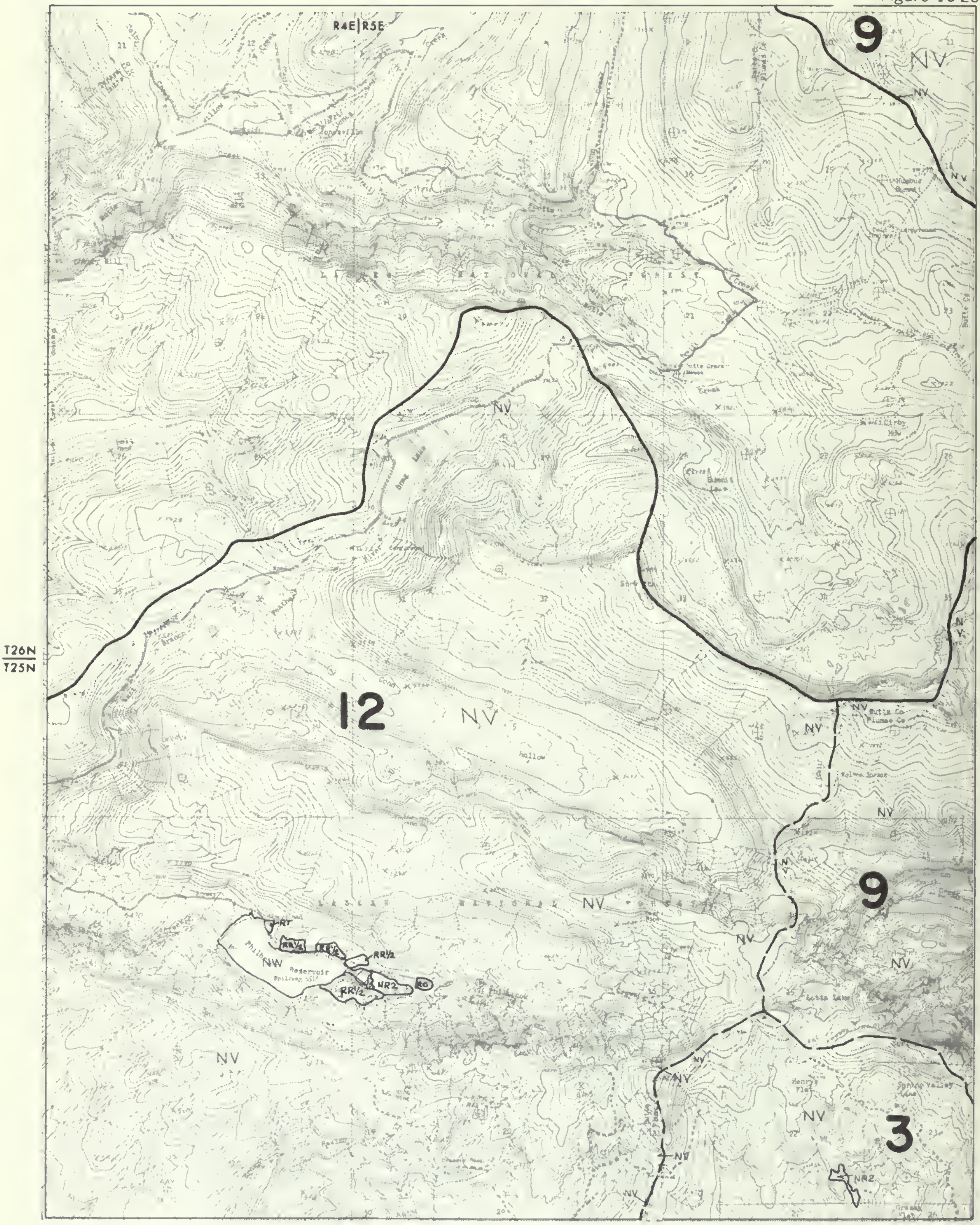


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
BUTTE MEADOWS QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-25

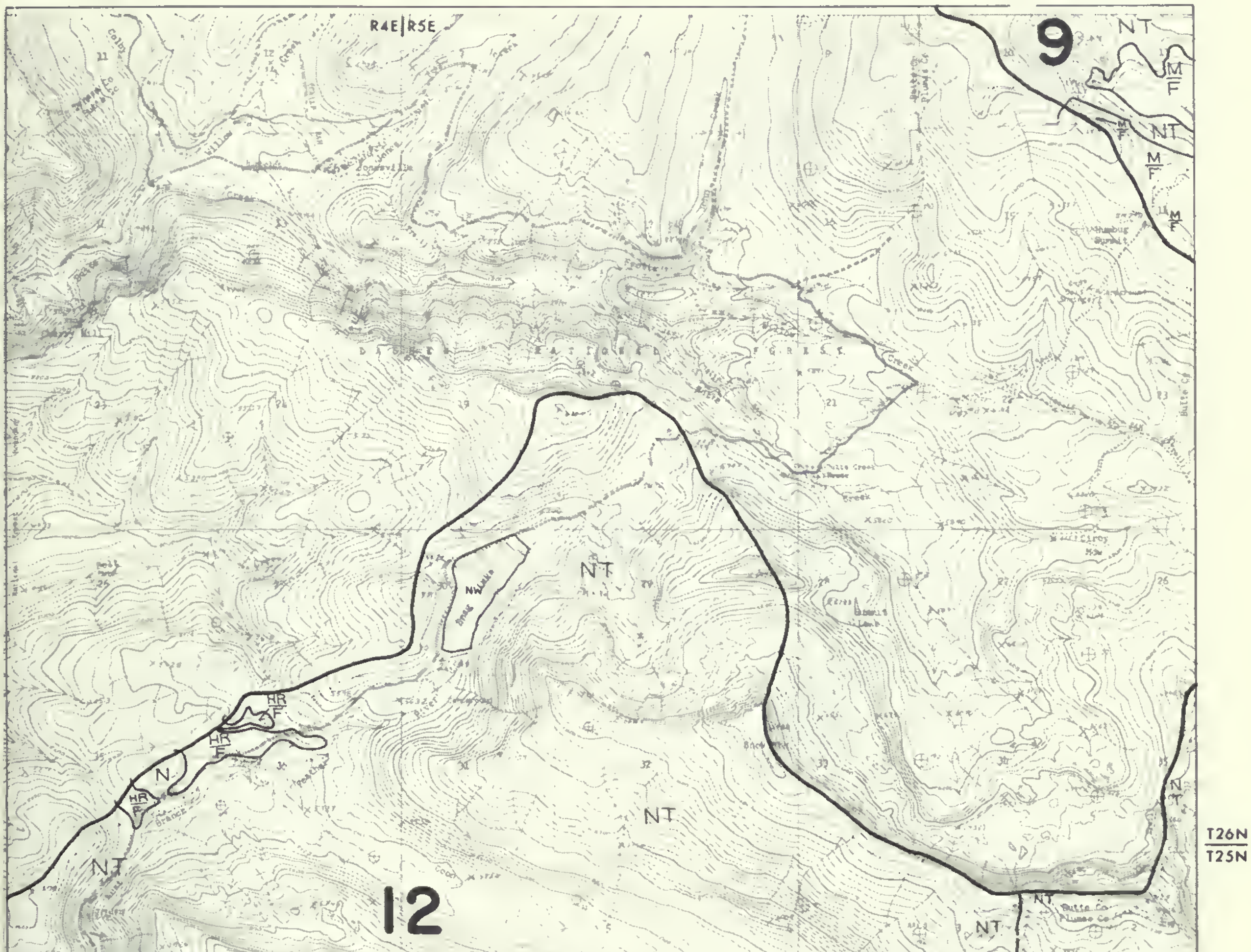


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
PEACOCK POINT QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-25

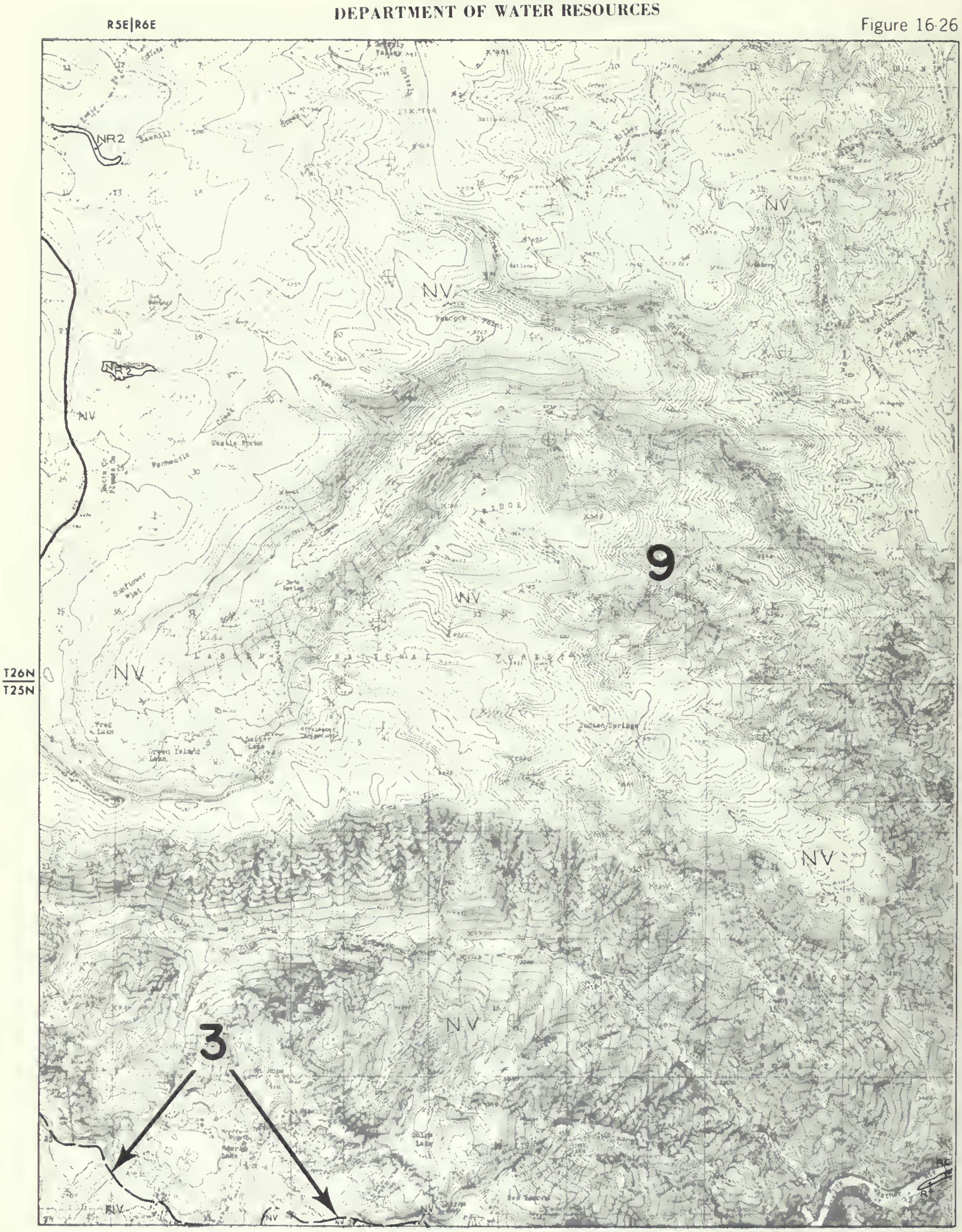


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
PEACOCK POINT QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-26



FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
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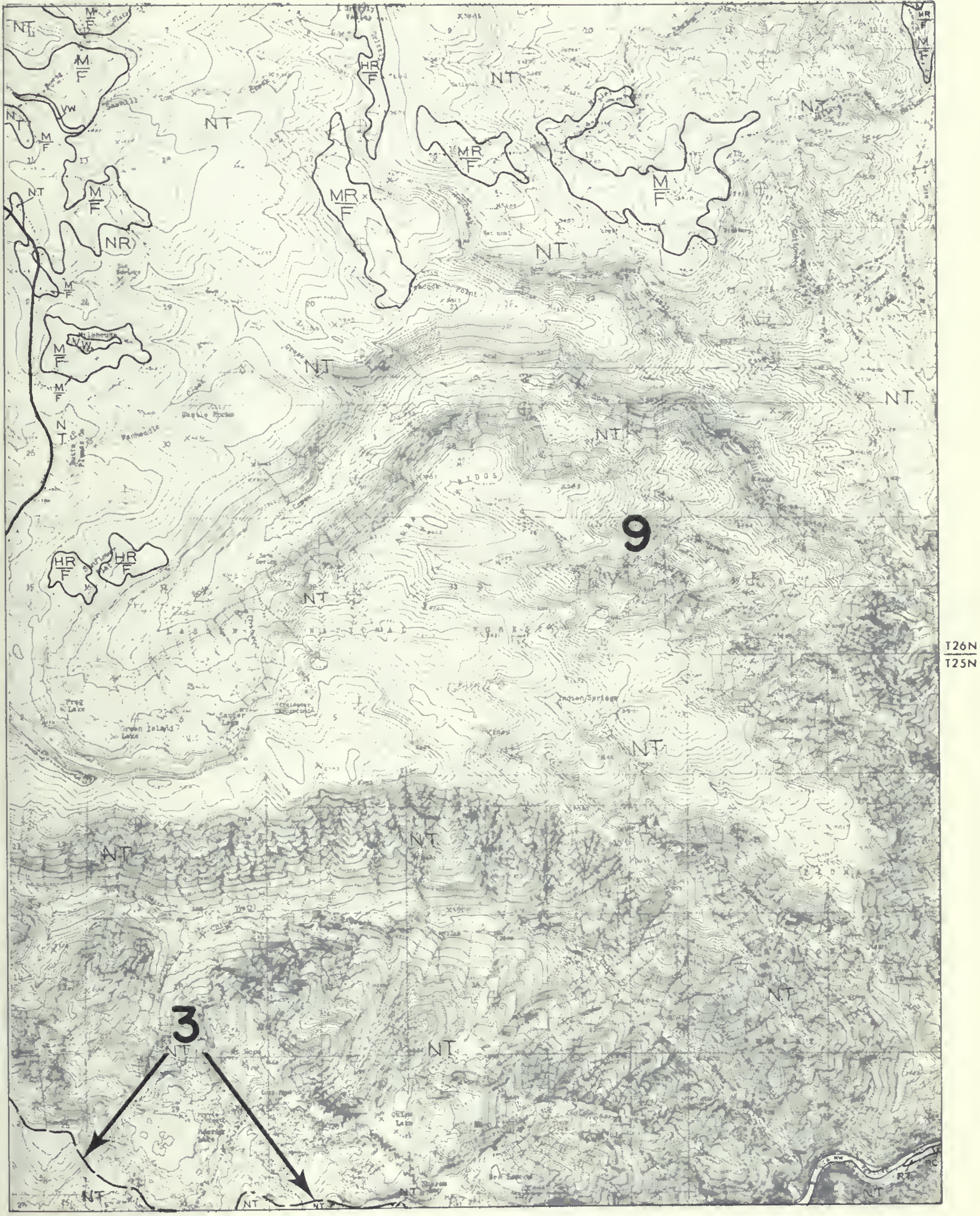
PEACOCK POINT QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-26



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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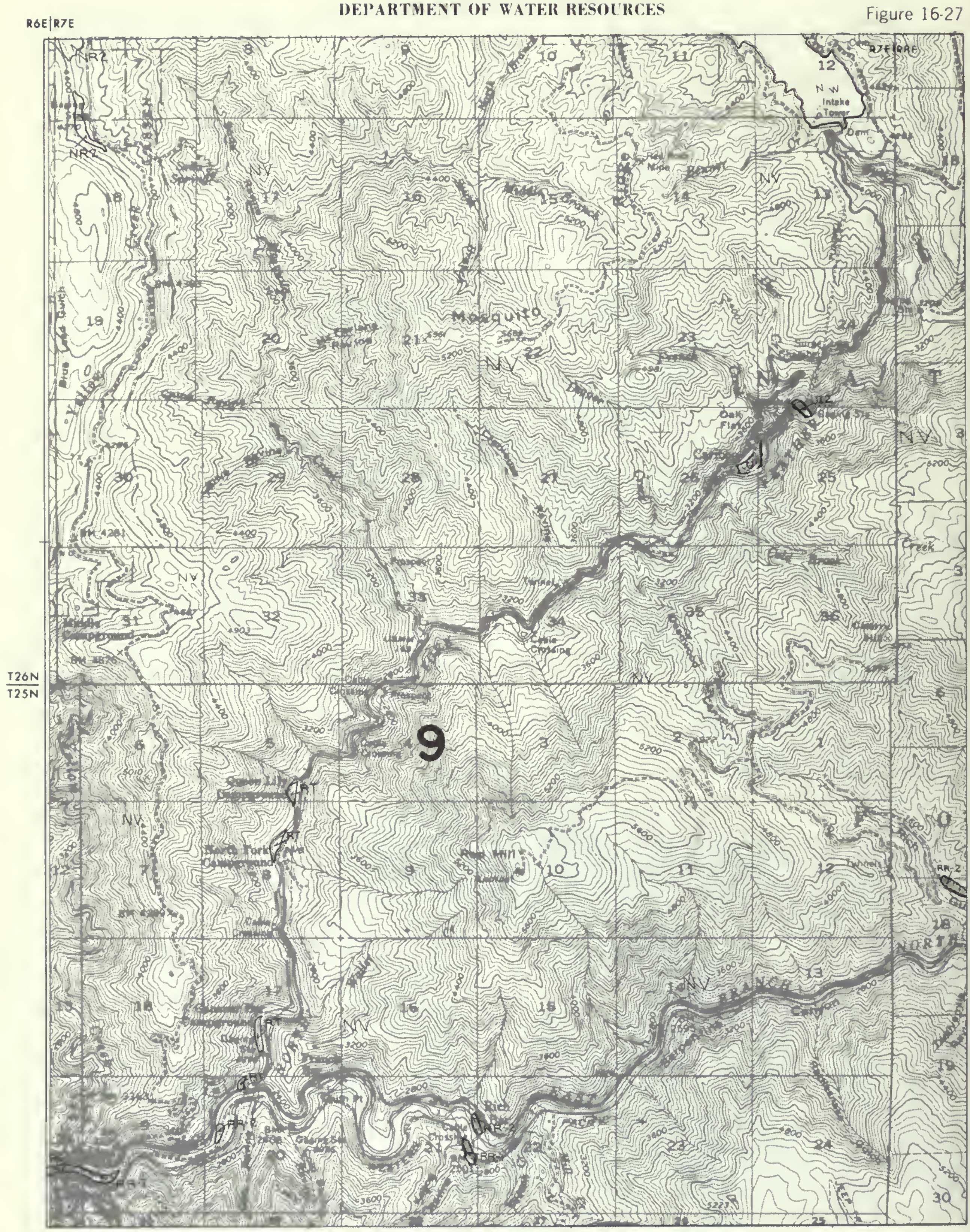
CLASSIFICATION OF LANDS
1963
PEACOCK POINT QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-27



FEATHER RIVER
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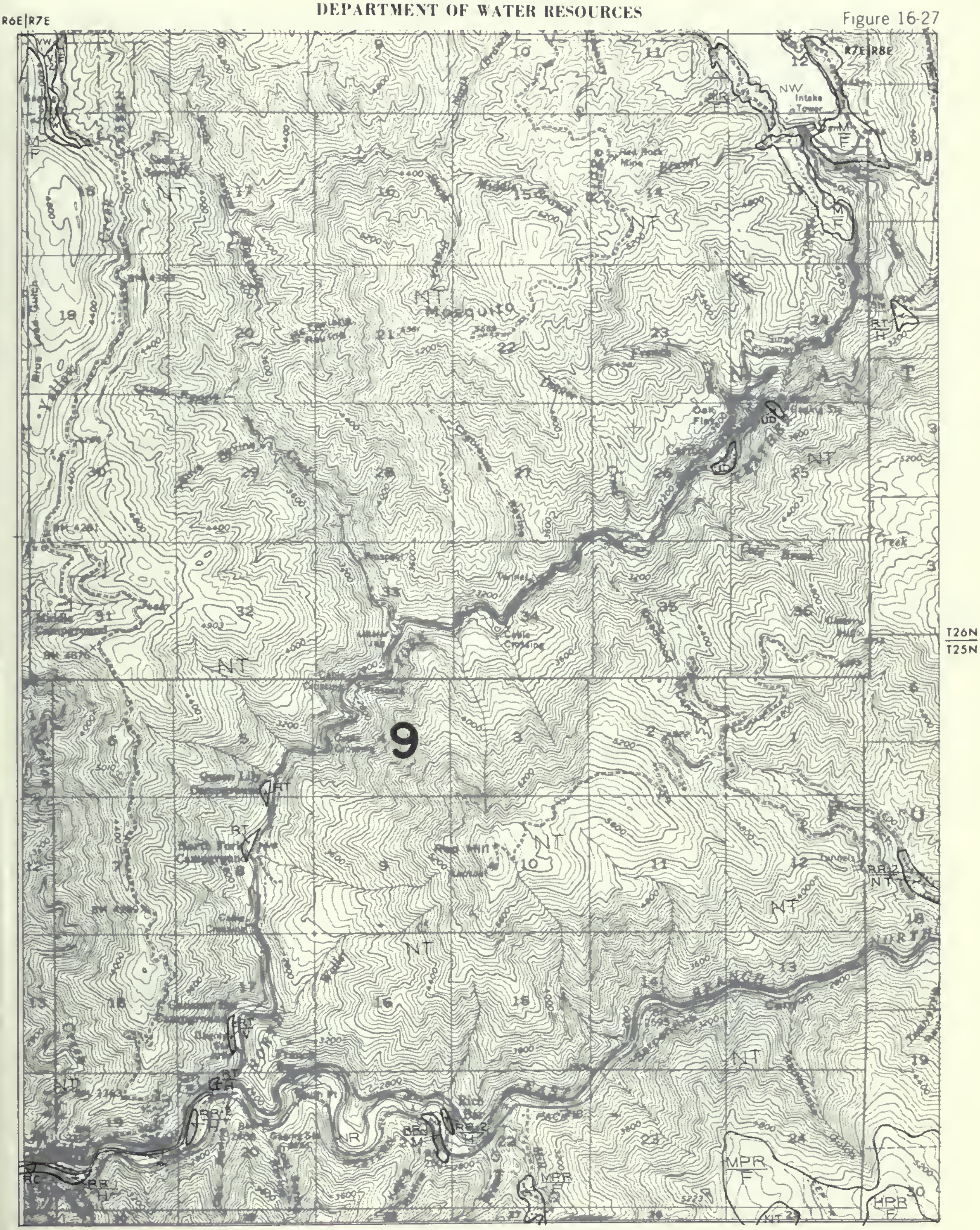
LAND USE
1963
ALMANOR QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-27



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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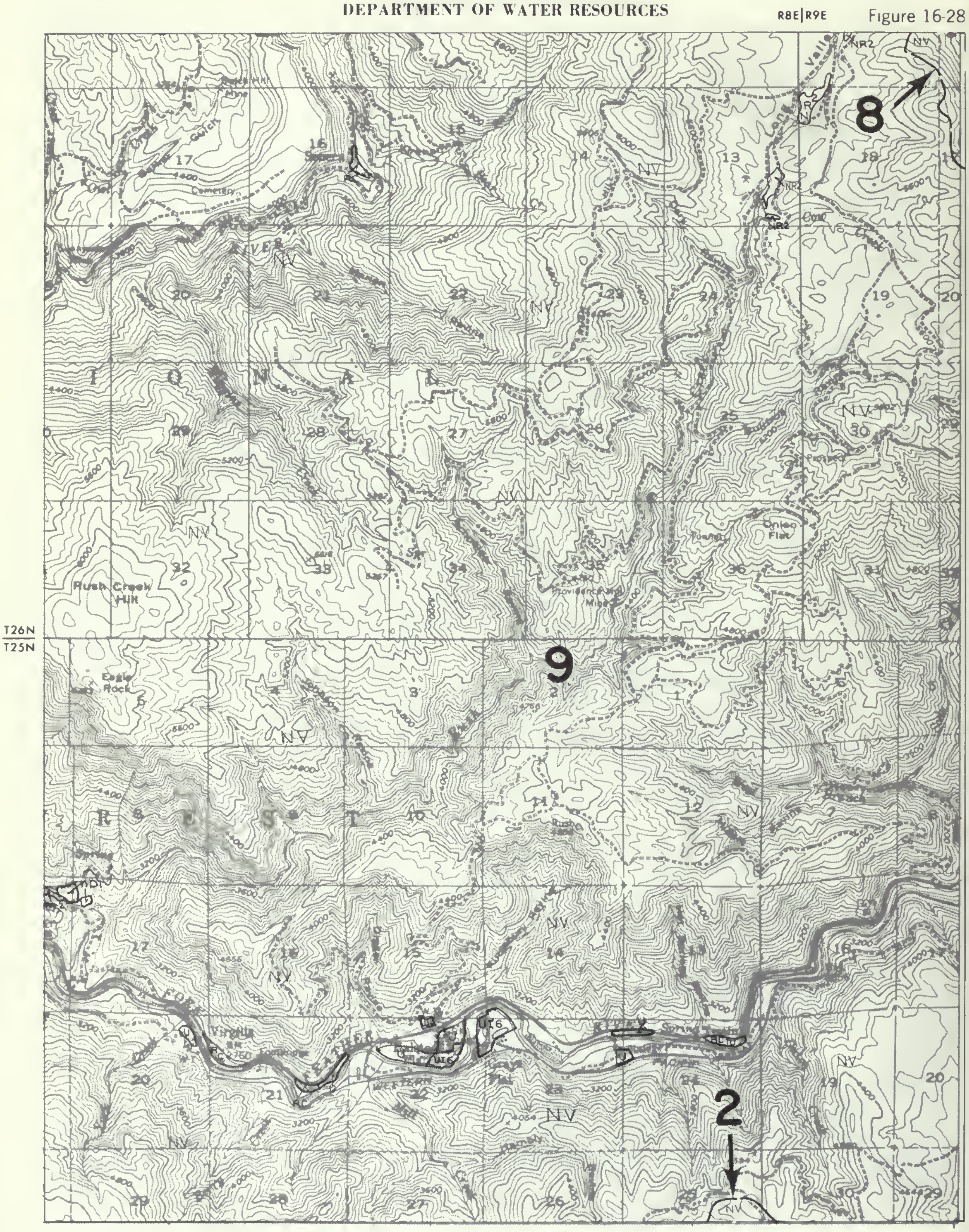
CLASSIFICATION OF LANDS
1963
ALMANOR QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-28

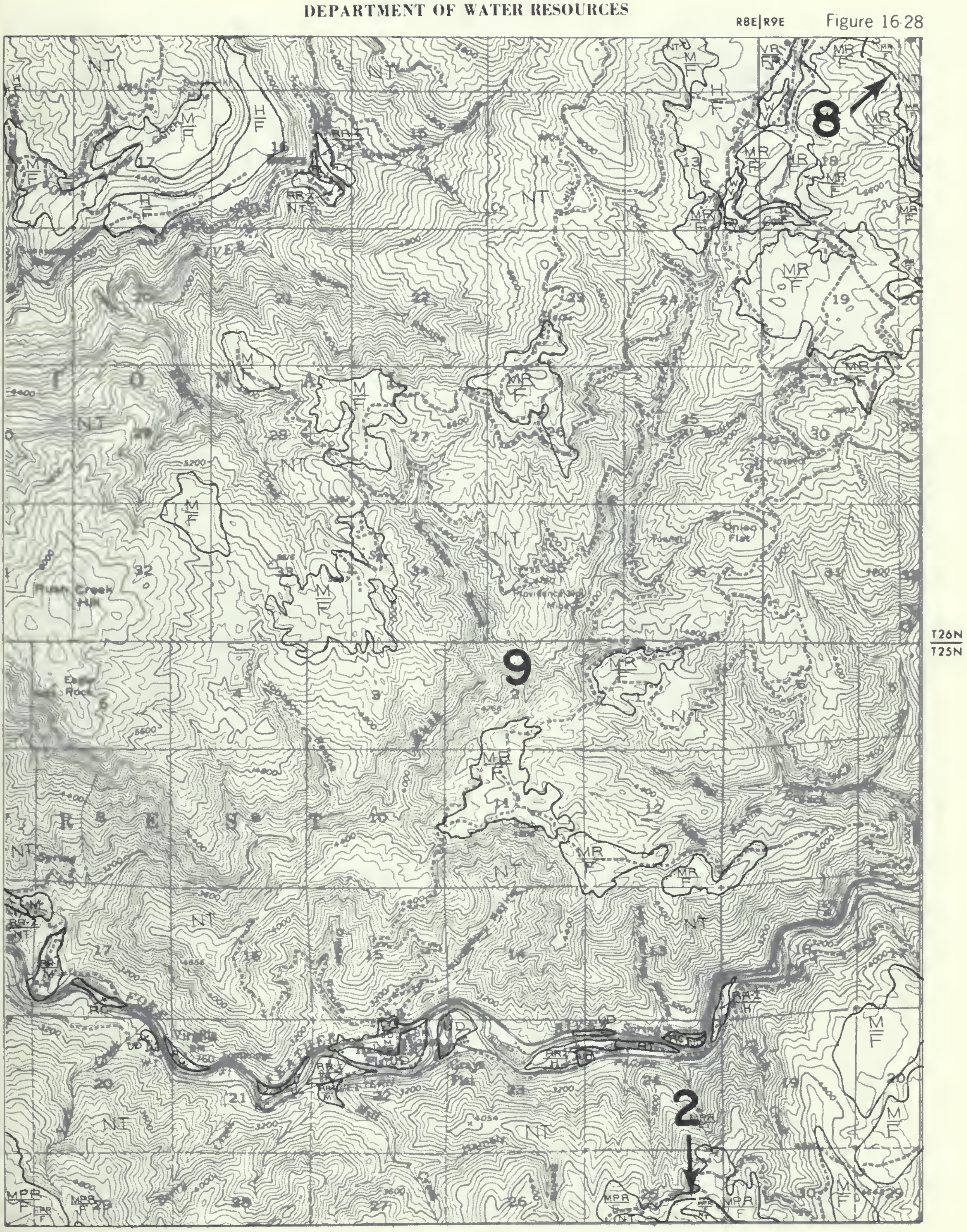


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
ALMANOR QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-28

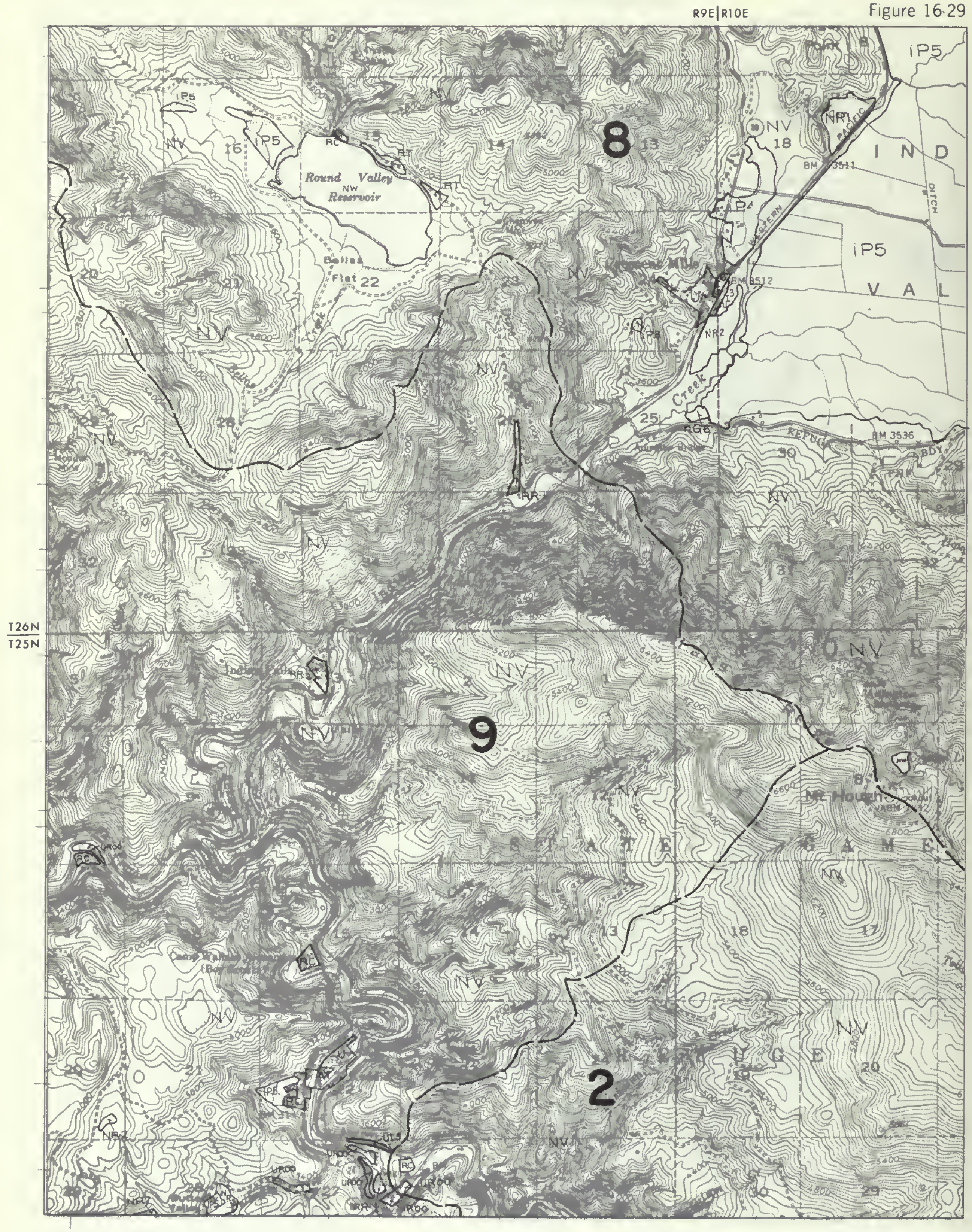


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
ALMANOR QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-29



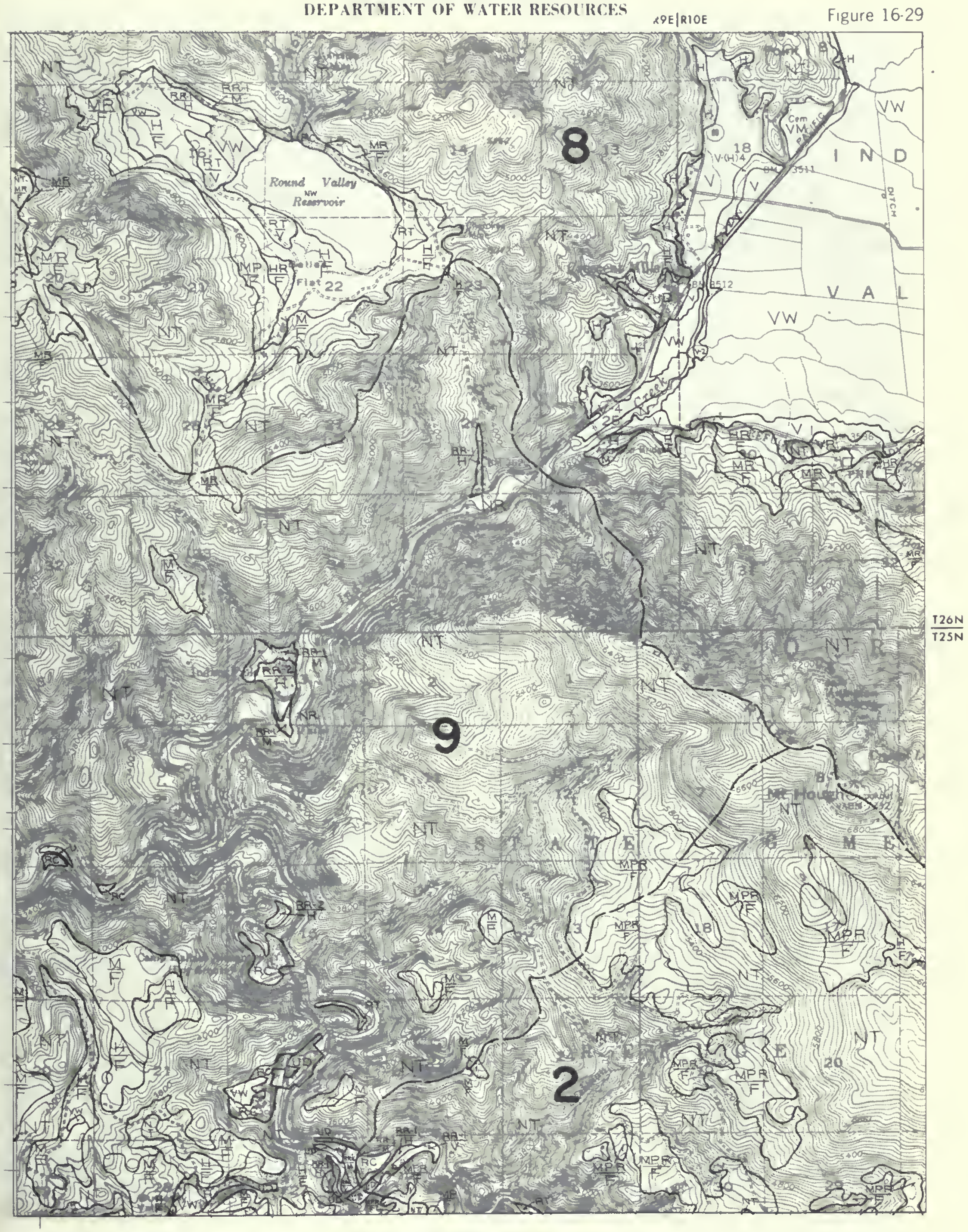
FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963

GREENVILLE QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-29



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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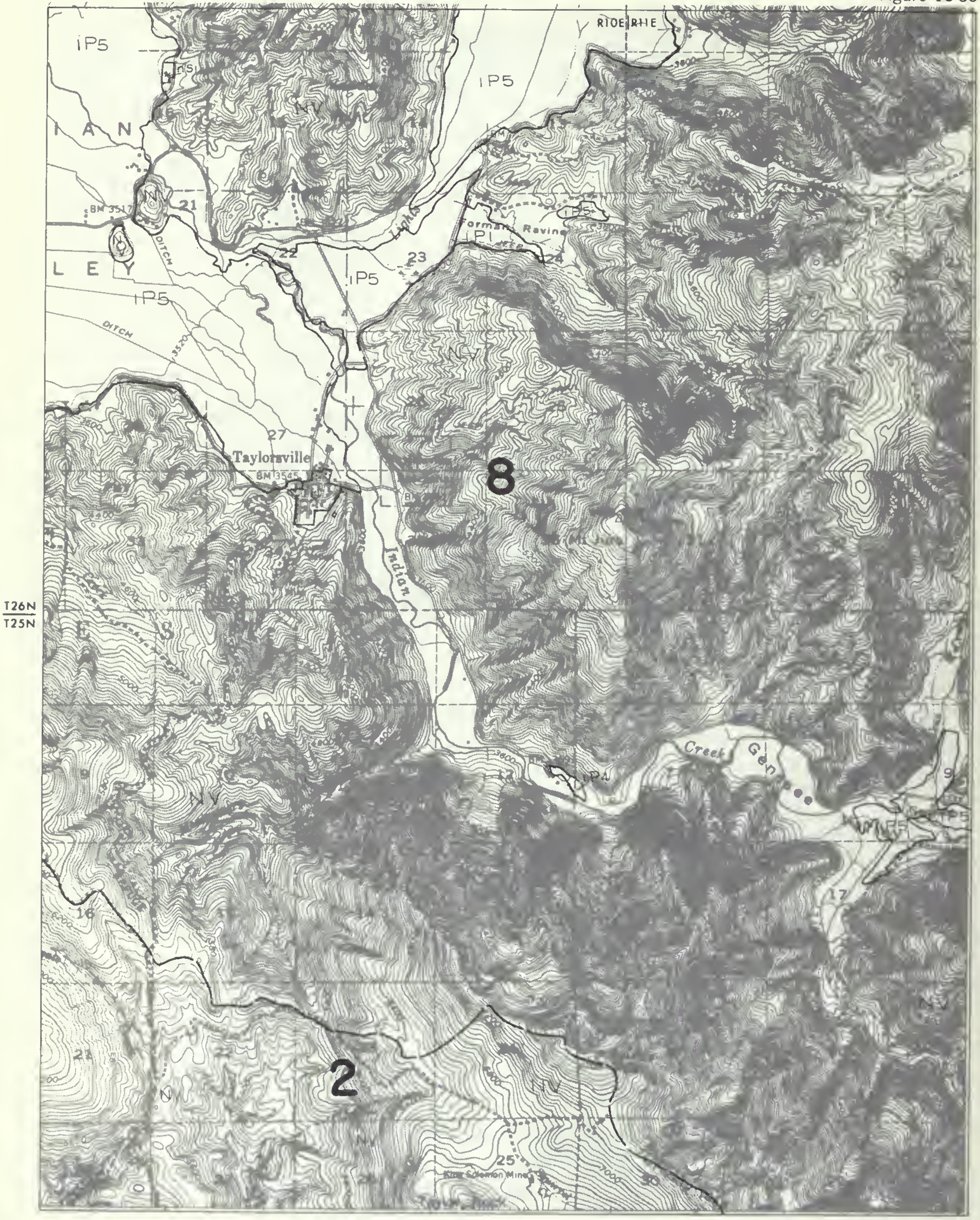
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963

GREENVILLE QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-30



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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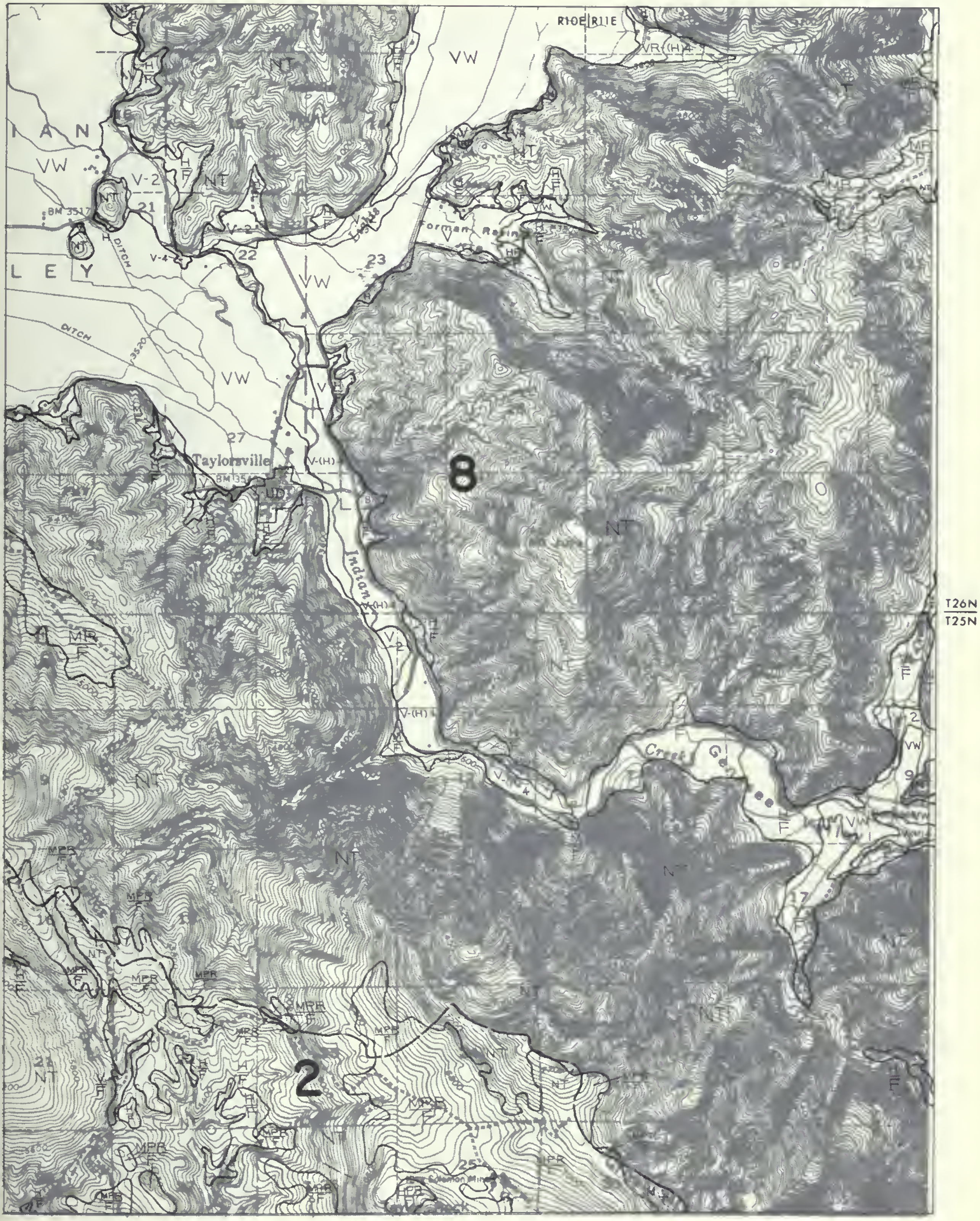
1000 0 2000 4000 6000 FEET

LAND USE
1963
GREENVILLE QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-30

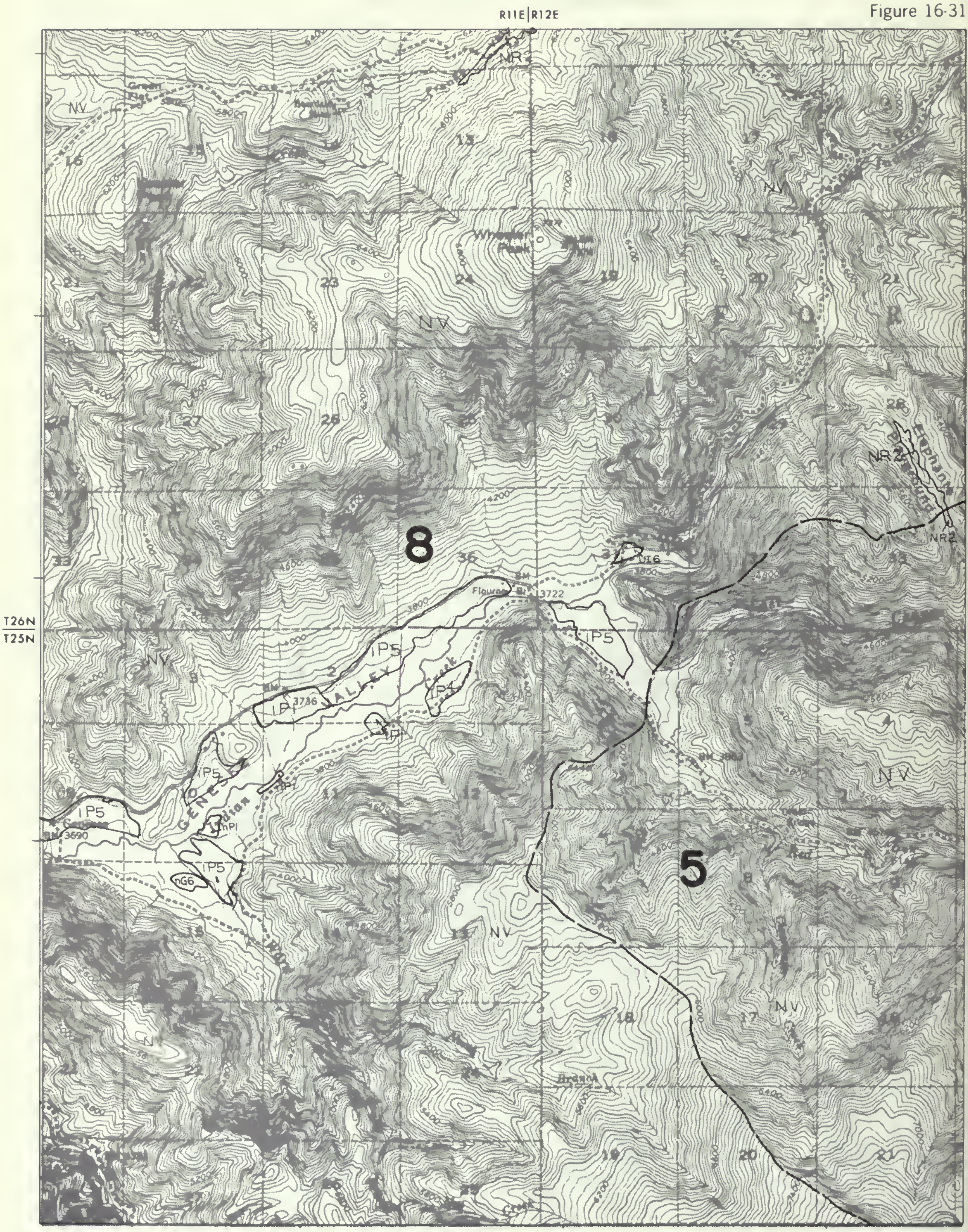


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
GREENVILLE QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-31



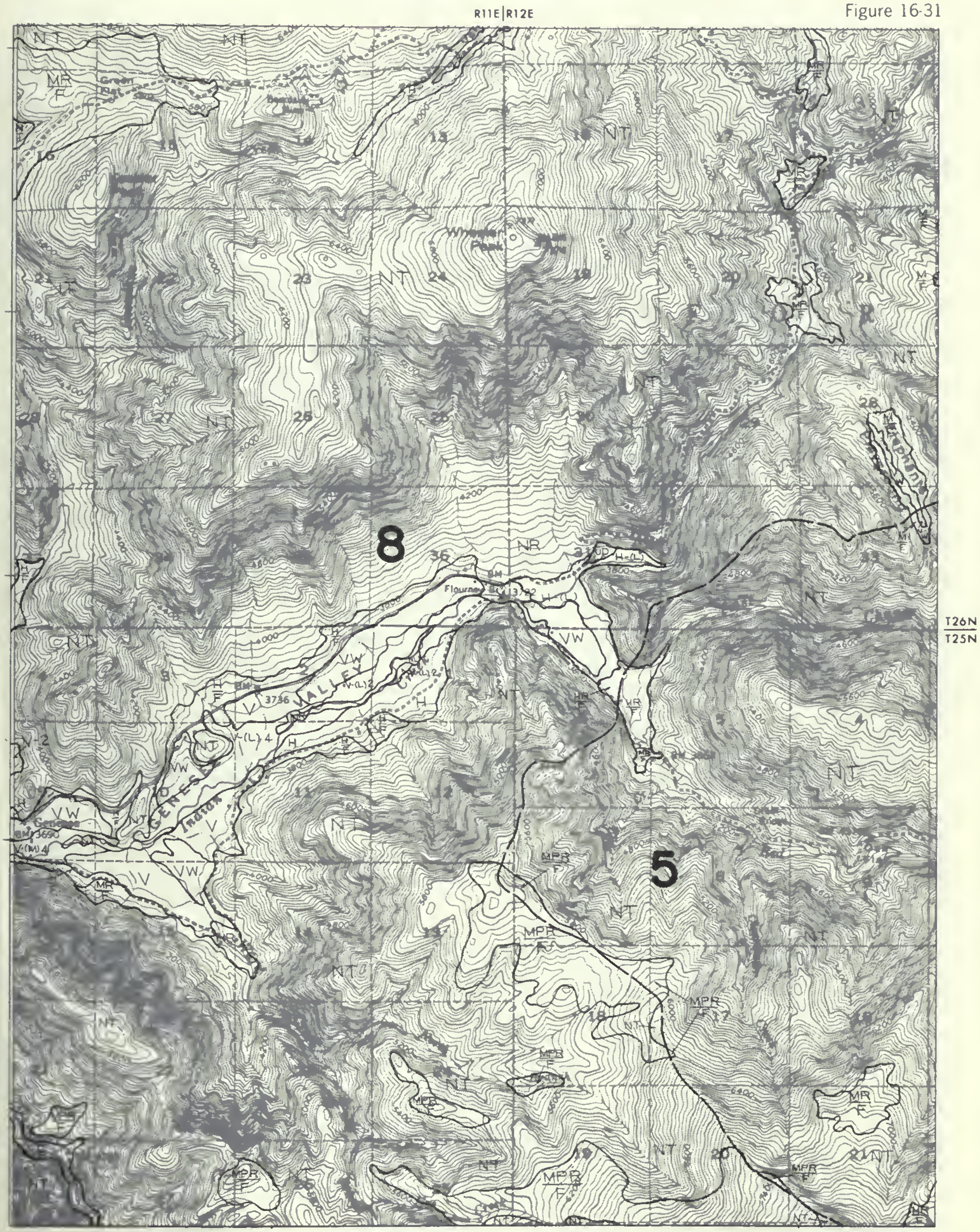
FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963

KETTLE ROCK QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-31



FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
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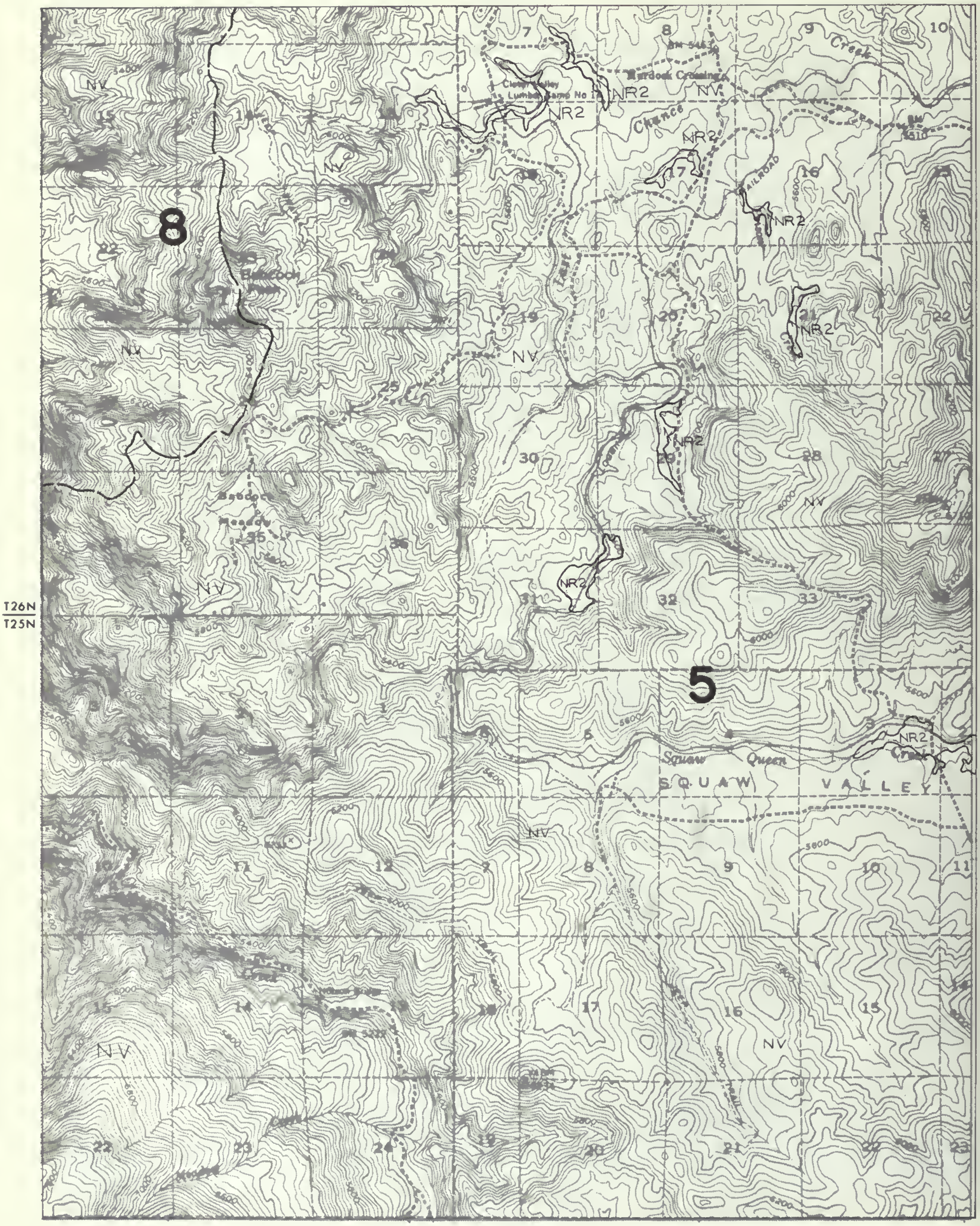
KETTLE ROCK QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-32



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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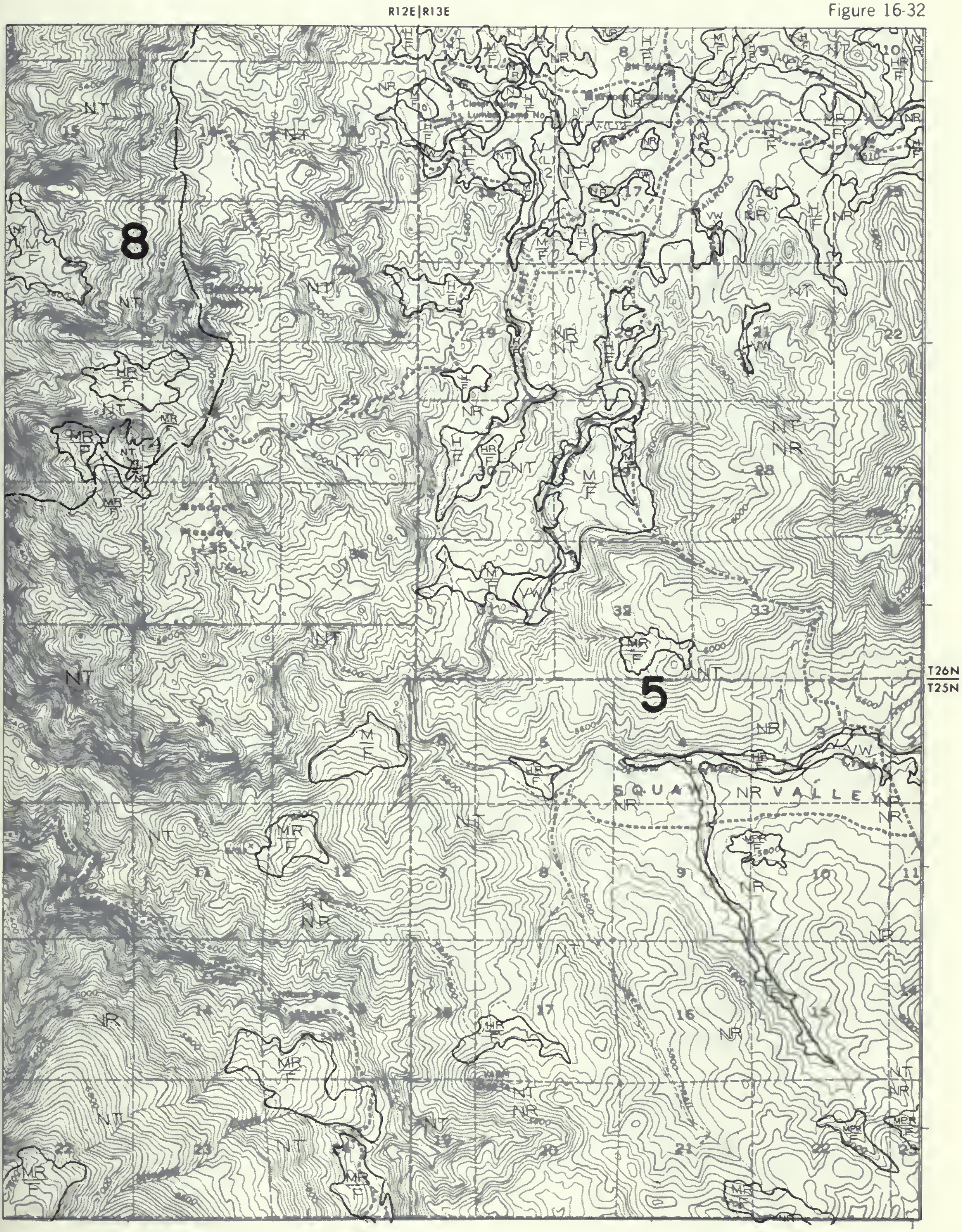
1000 0 2000 4000 6000 FEET

LAND USE
1963
KETTLE ROCK QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-32



SCALE

1 ½ 0 1 MILE

1000 0 2000 4000 6000 FEET

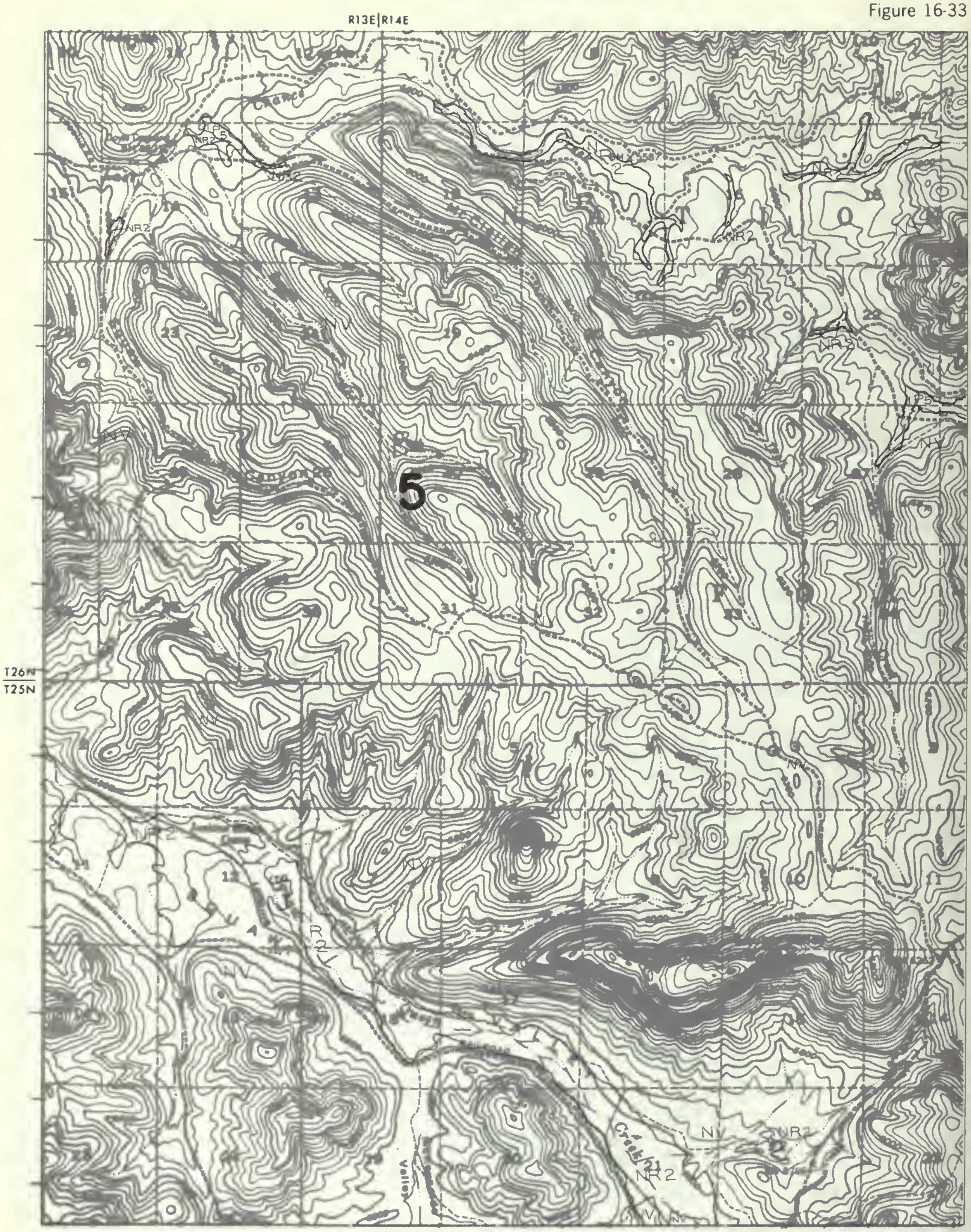
FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963

KETTLE ROCK QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-33

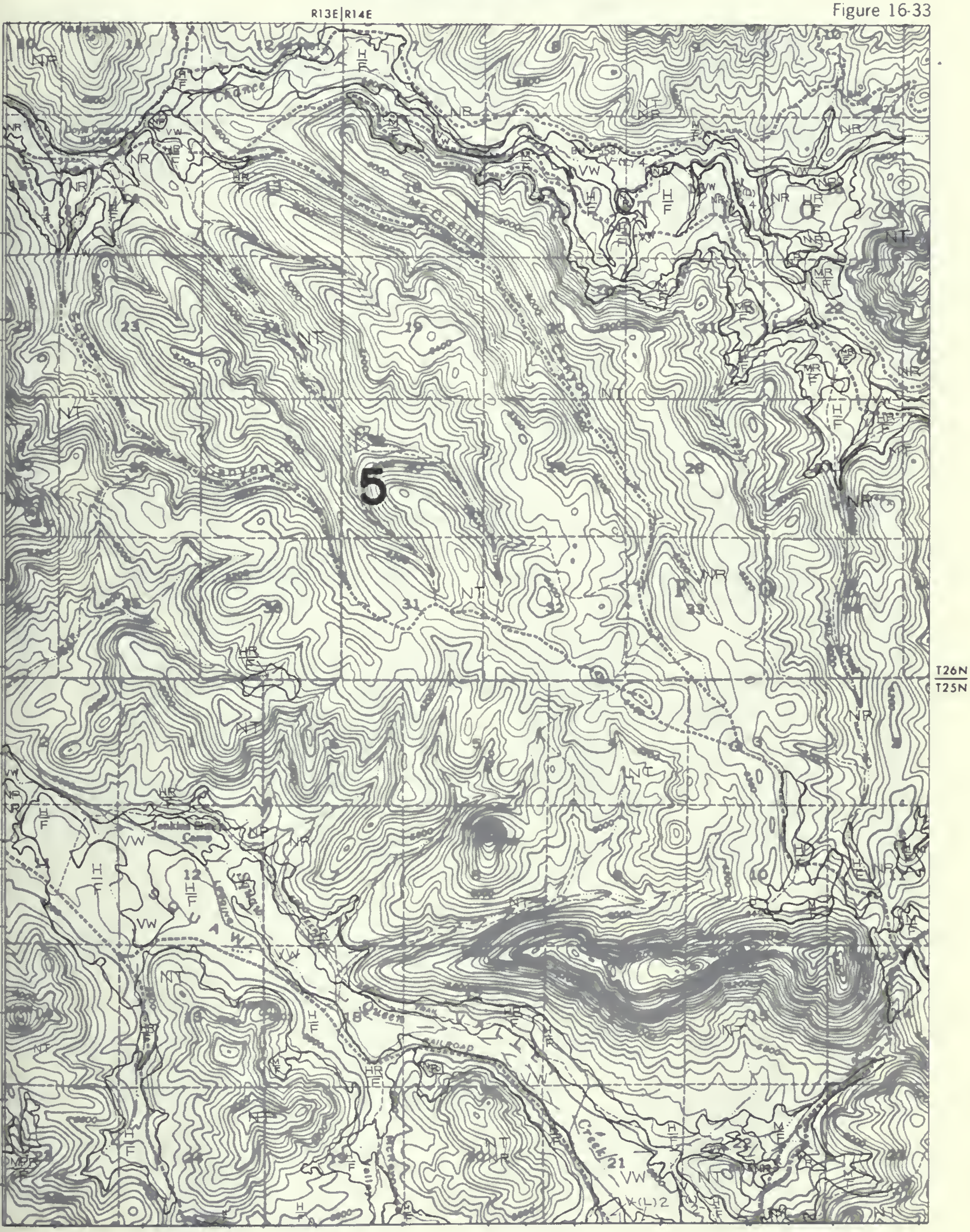


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
MILFORD QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-33



FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
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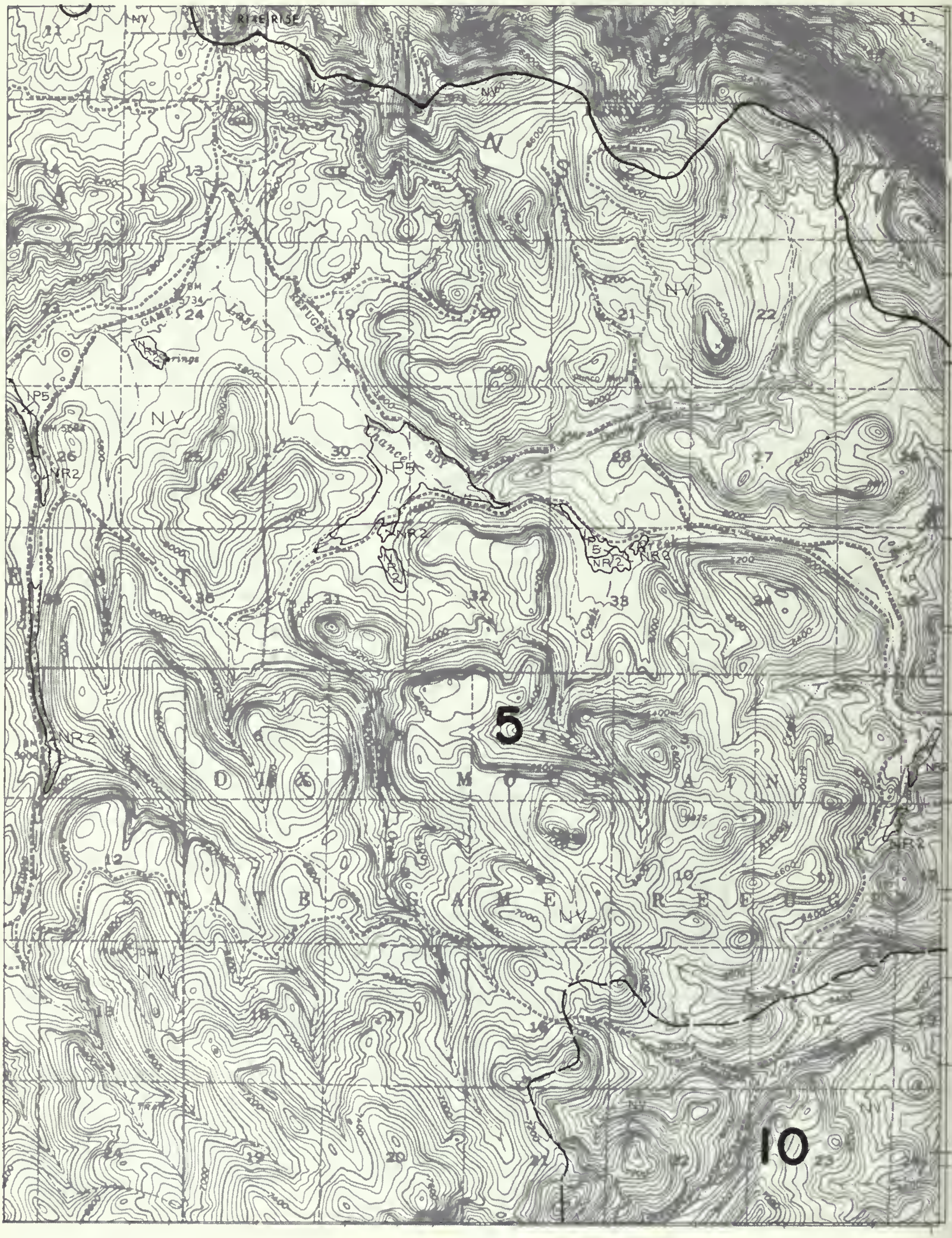
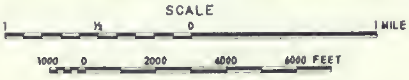
MILFORD QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-34



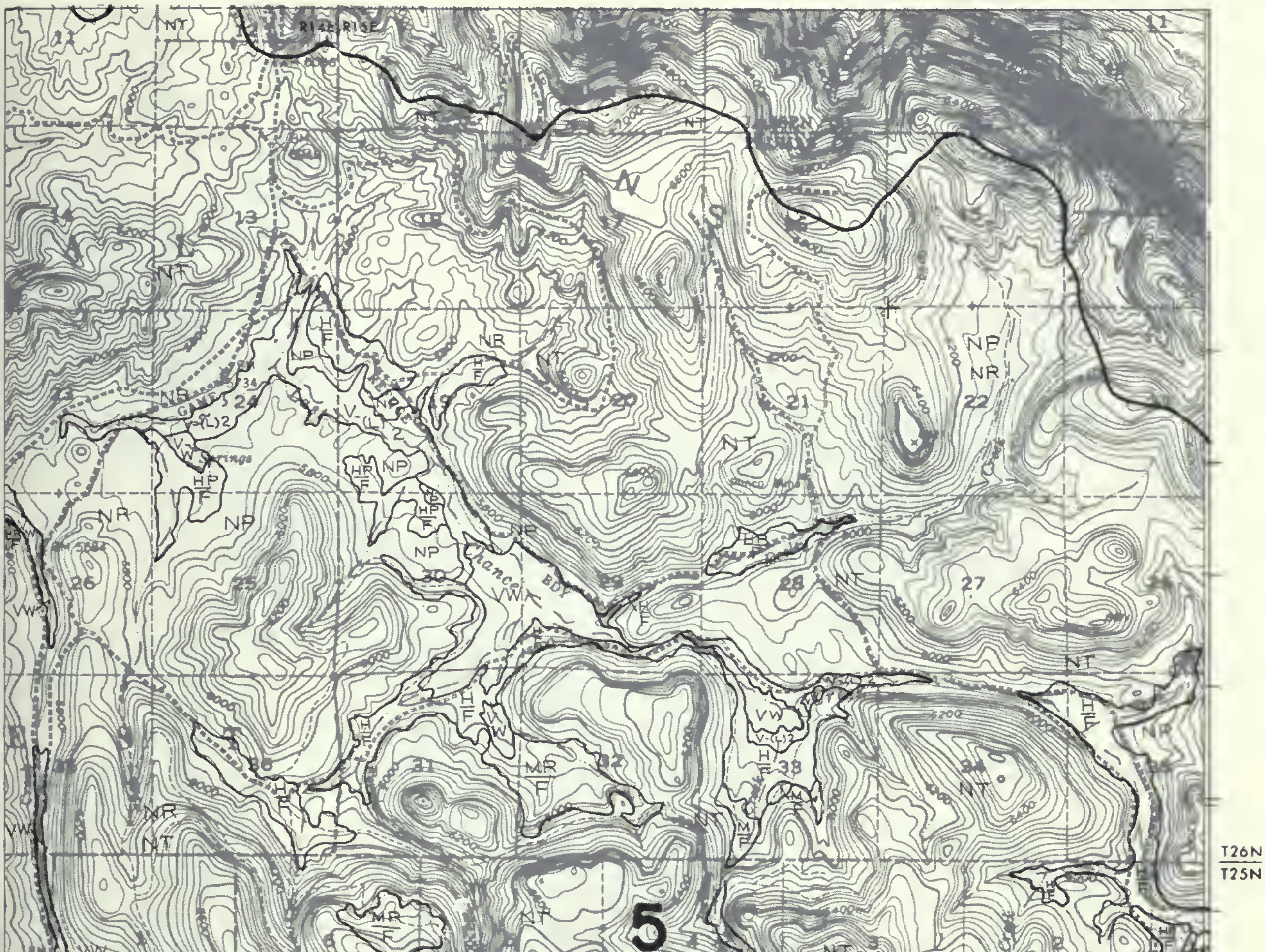
FEATHER RIVER
HYDROGRAPHIC UNIT



LAND USE
1963
MILFORD QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-34

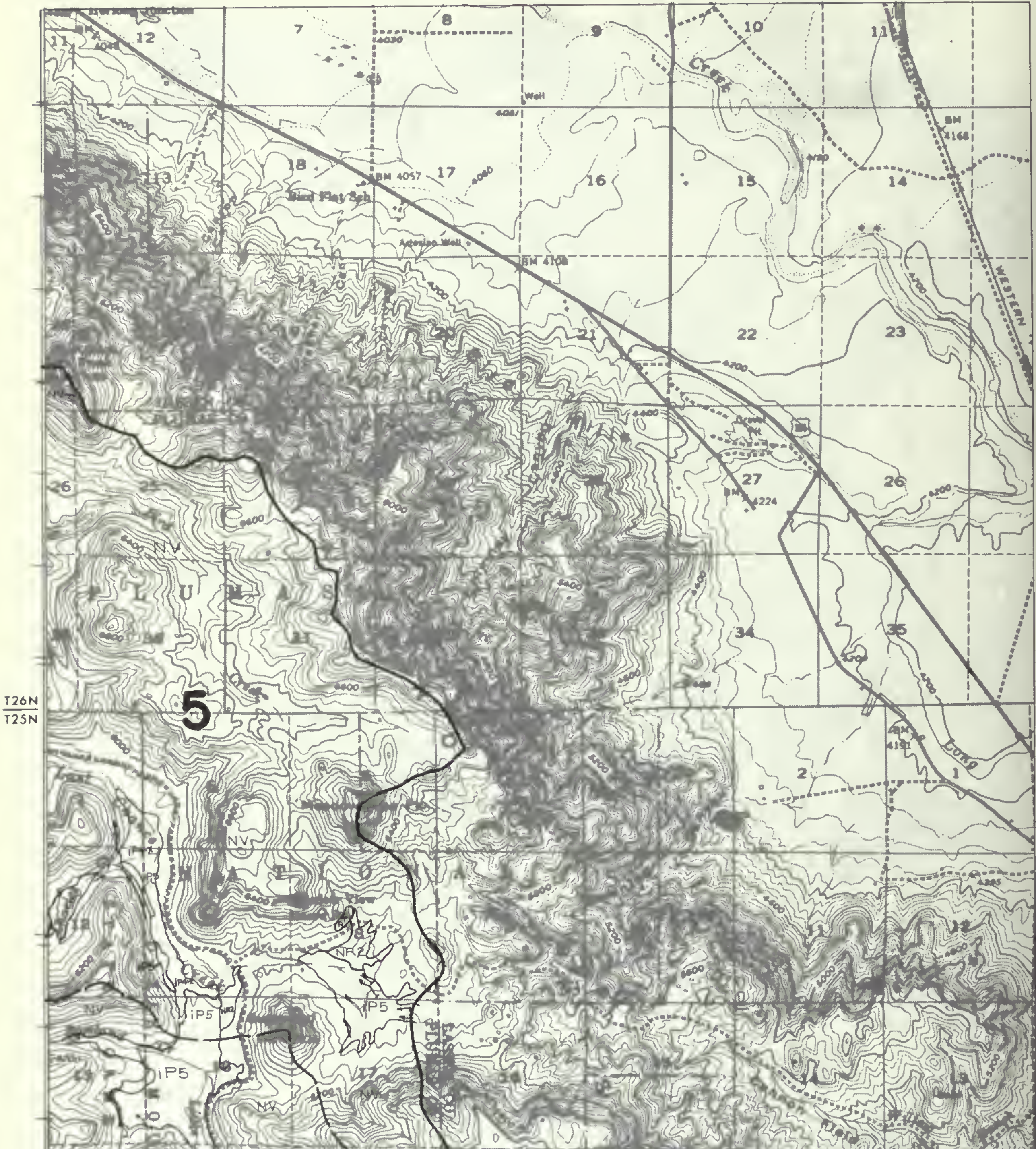


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
MILFORD QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 16-35



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
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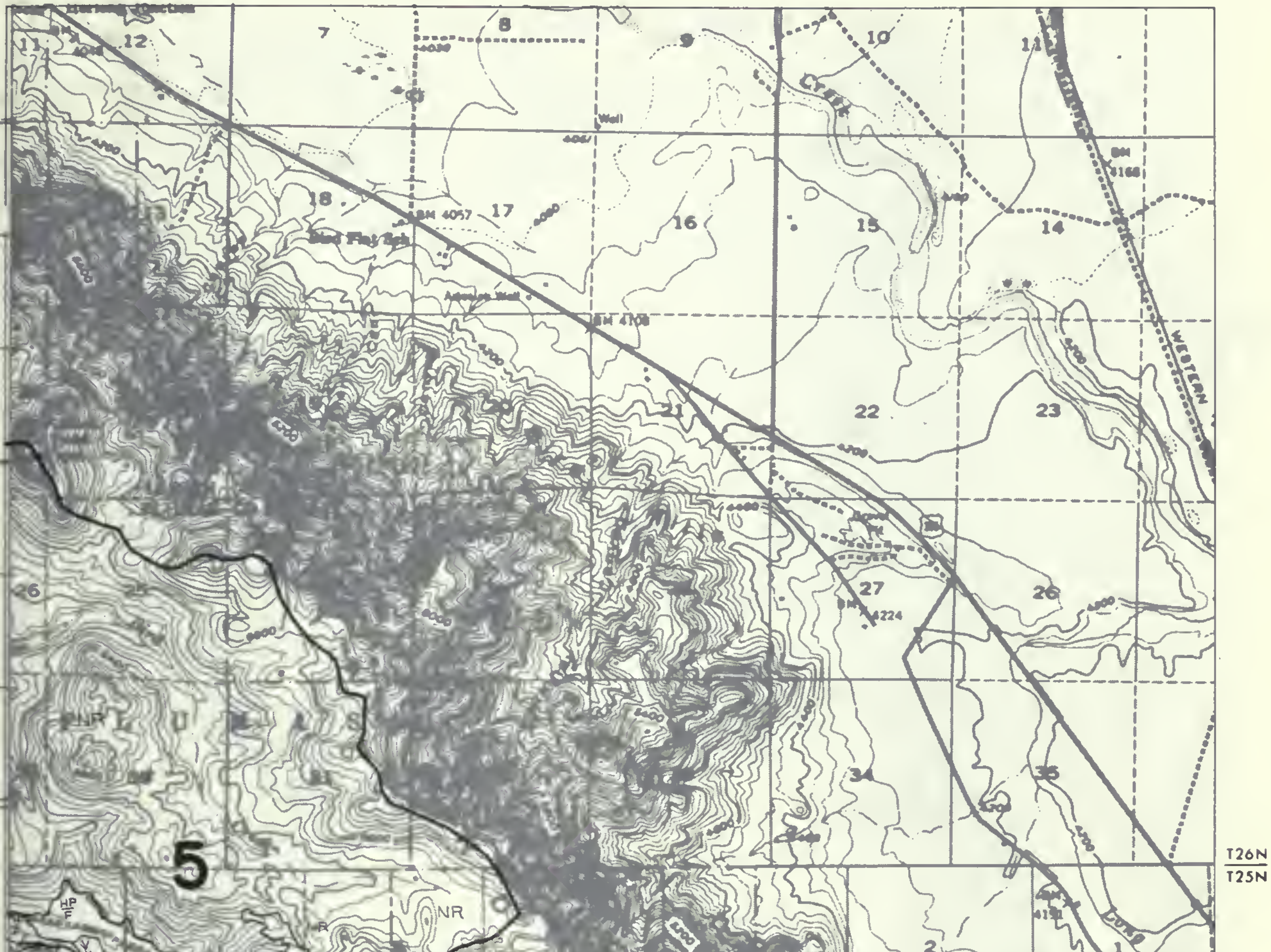
LAND USE
1963
DOYLE QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 10-35

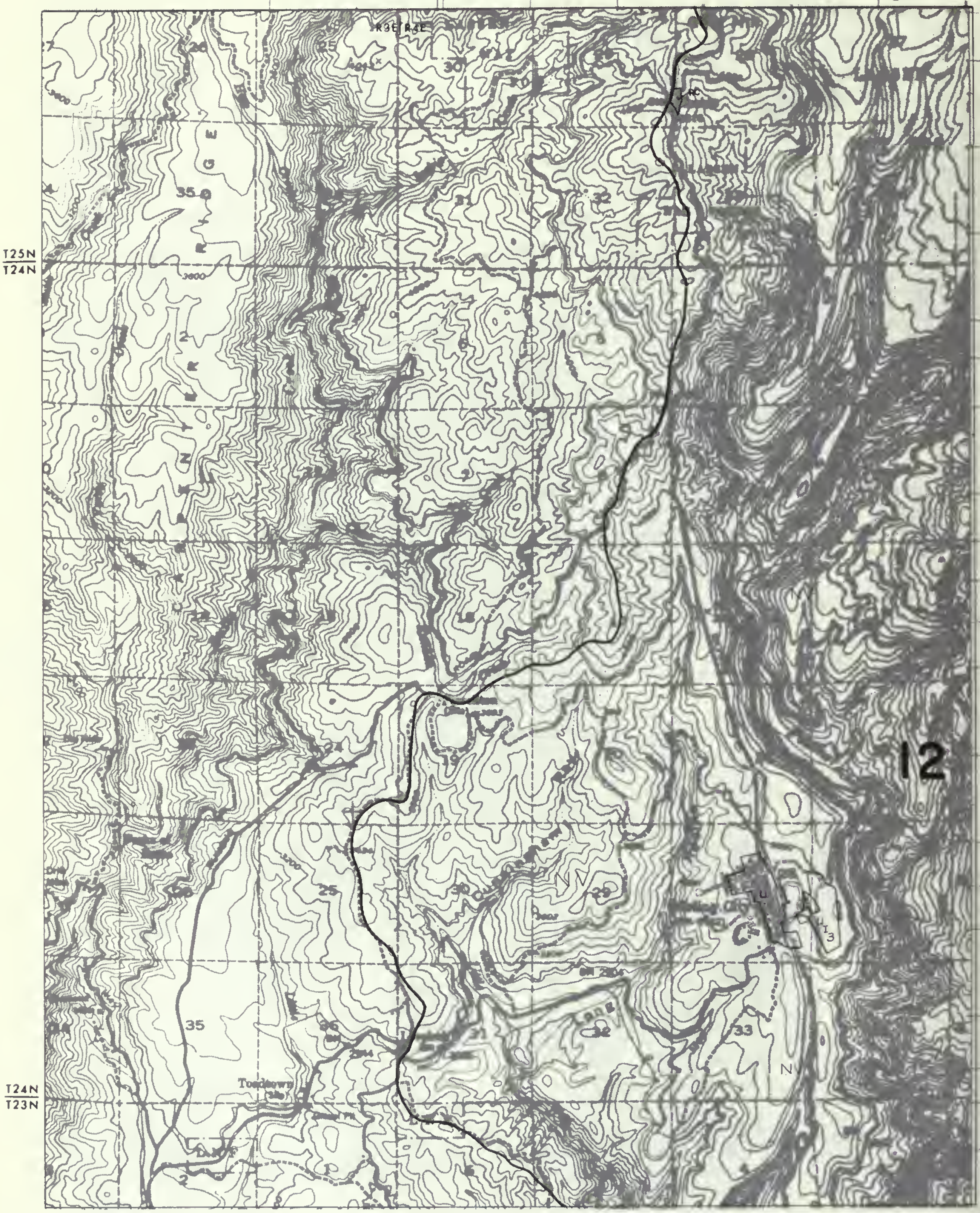


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
DOYLE QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-24



SCALE
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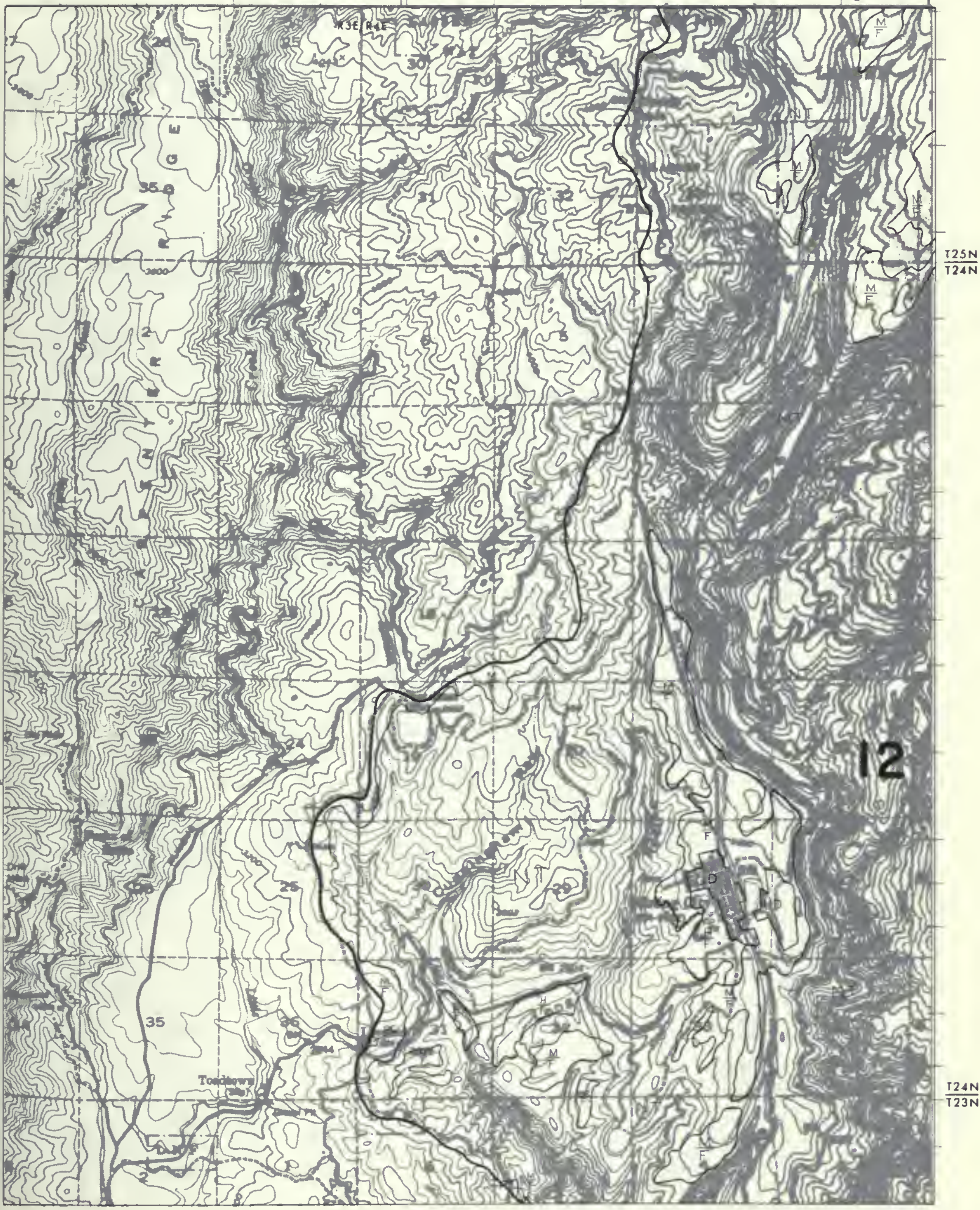
FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
PARADISE QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-24



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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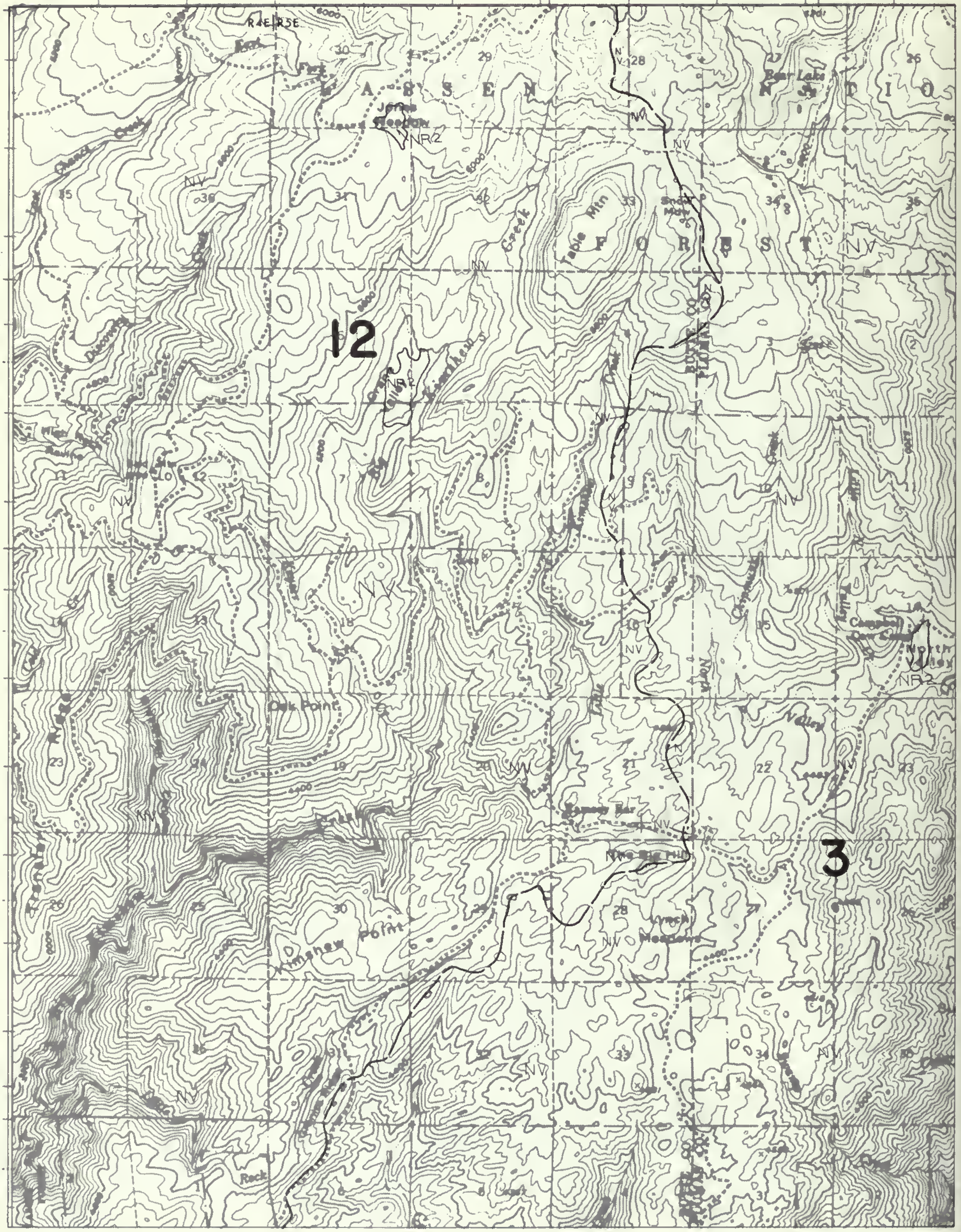
CLASSIFICATION OF LANDS
1963
PARADISE QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-25

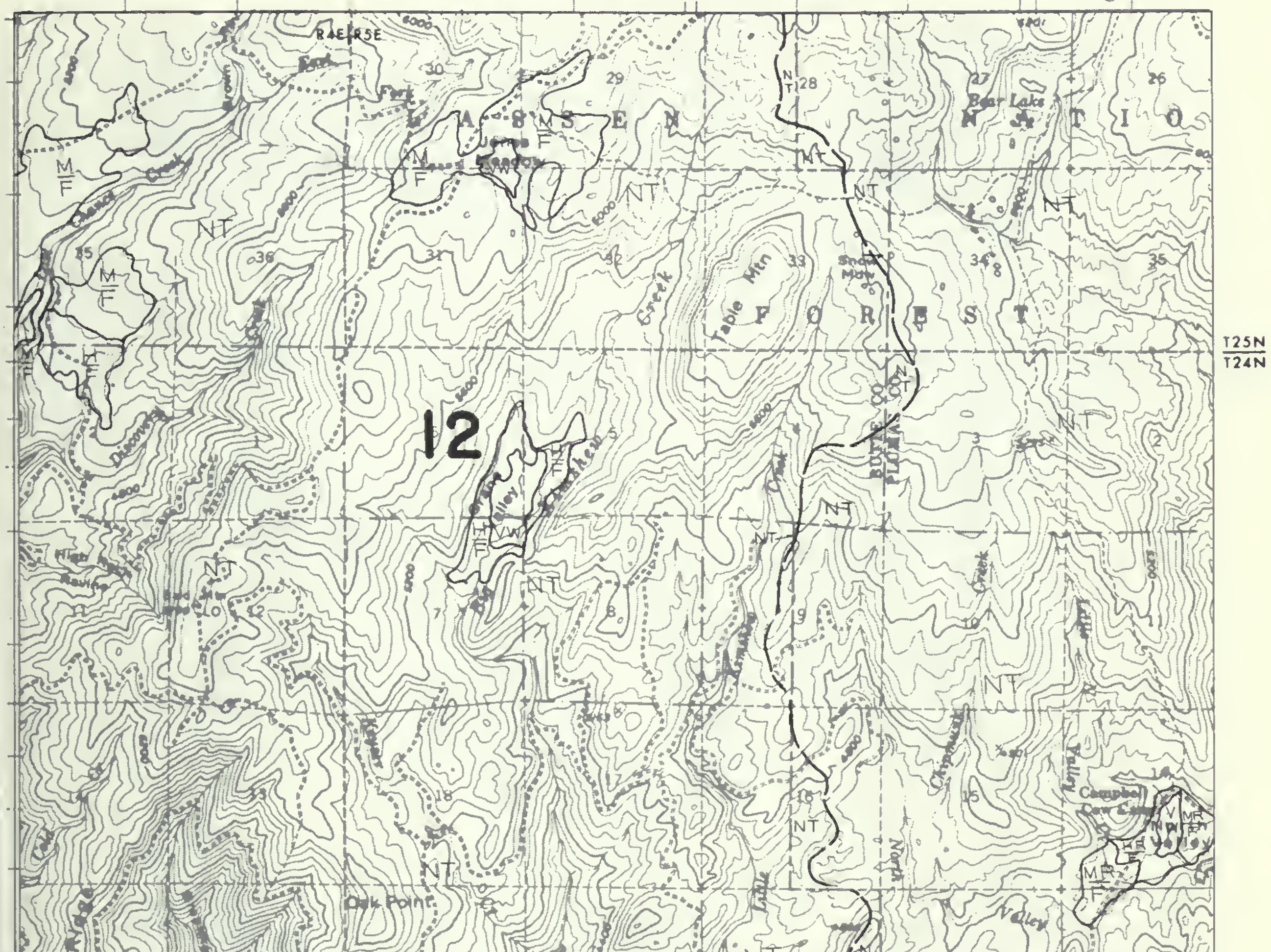


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
PULGA QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-25



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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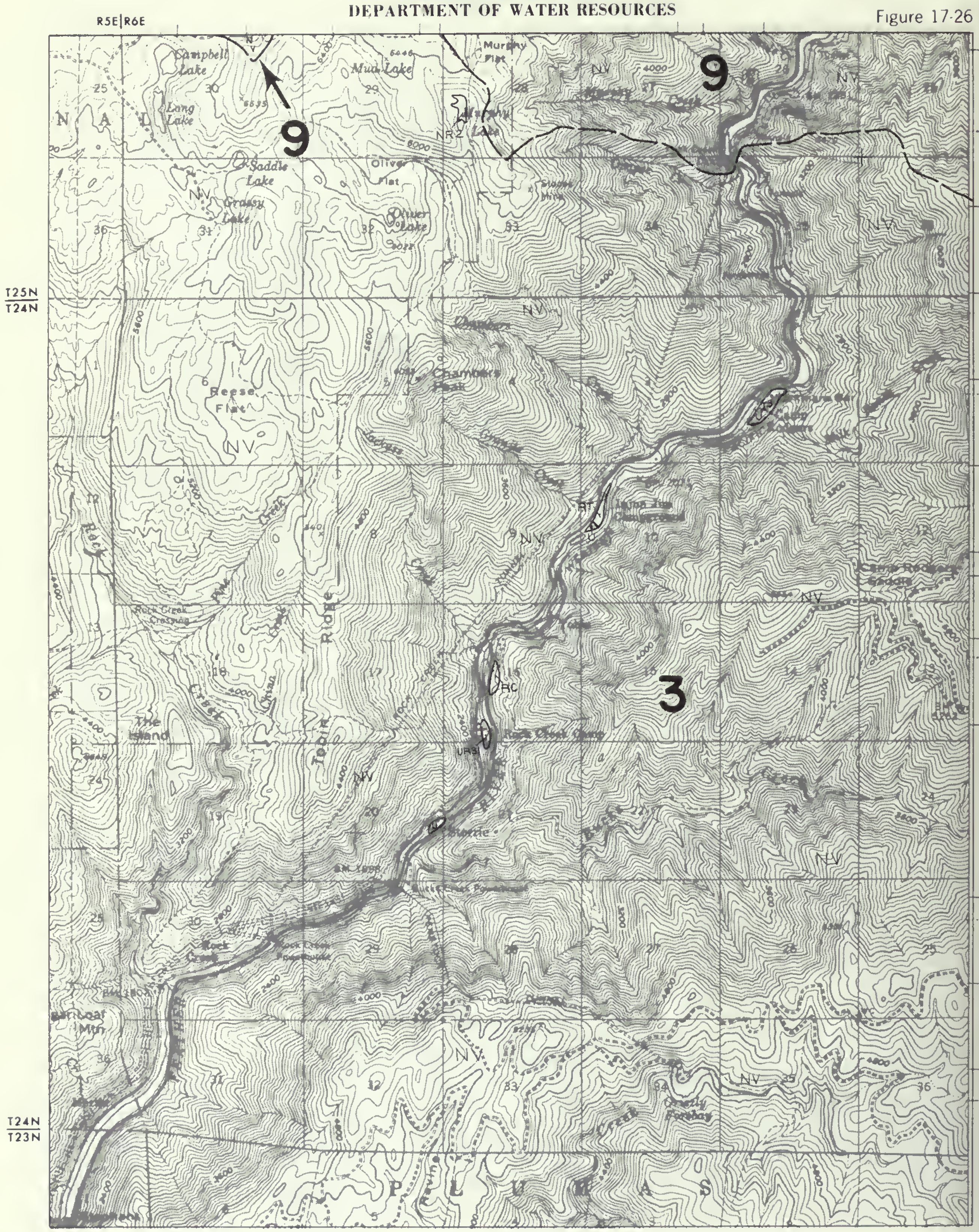
CLASSIFICATION OF LANDS
1963
PULGA QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-26



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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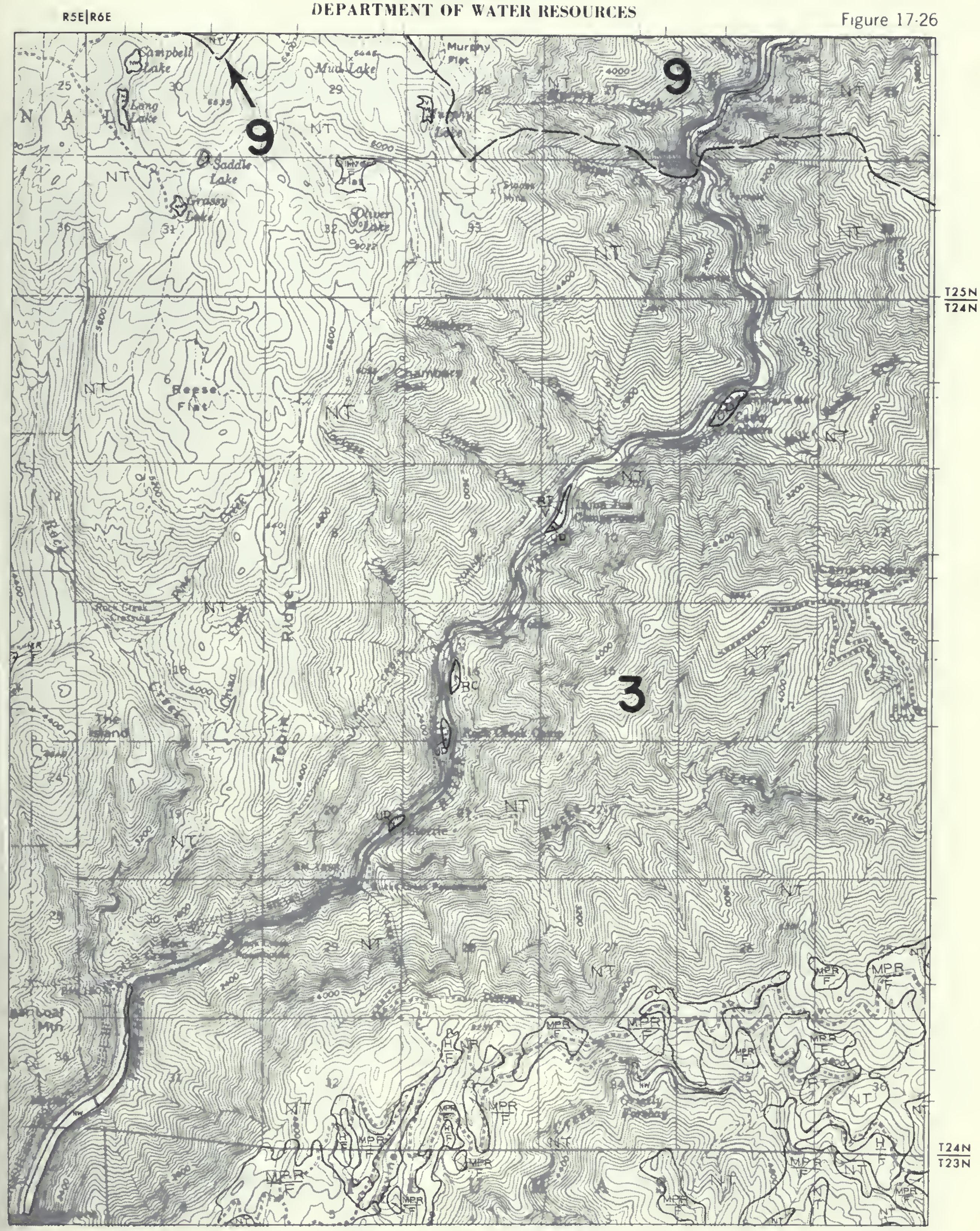
LAND USE
1963
PULGA QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-26

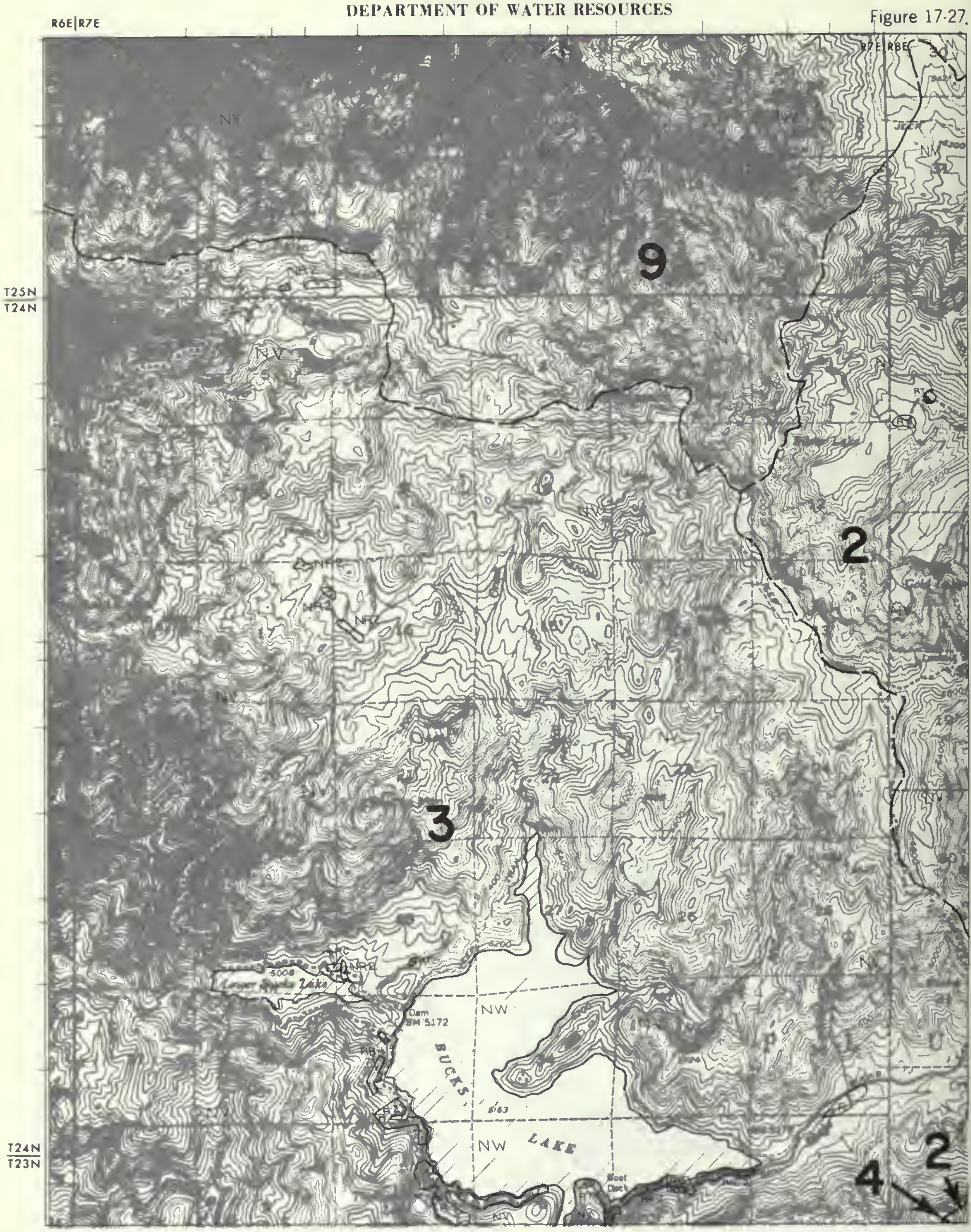


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
PULGA QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-27.

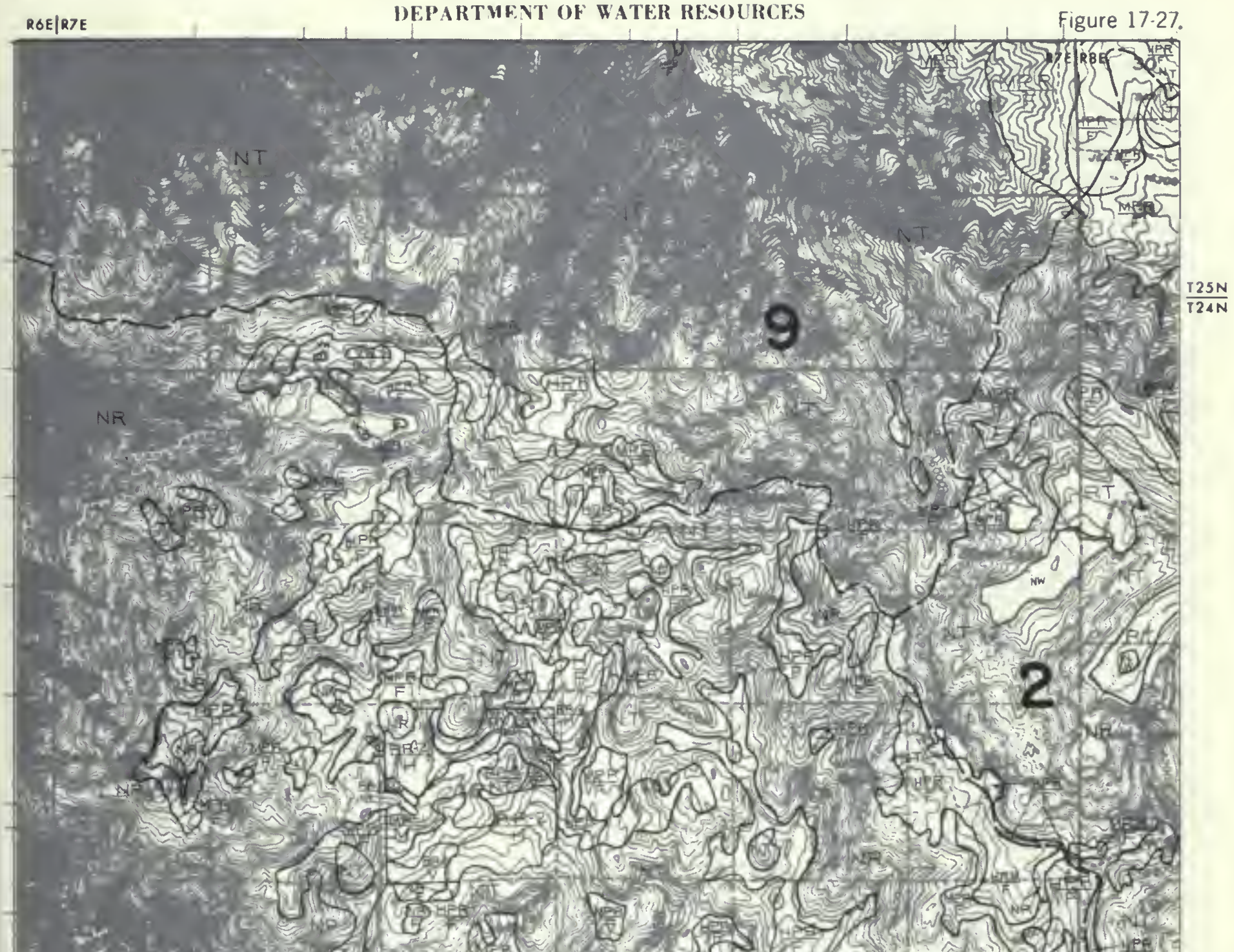


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
BUCKS LAKE QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-27.



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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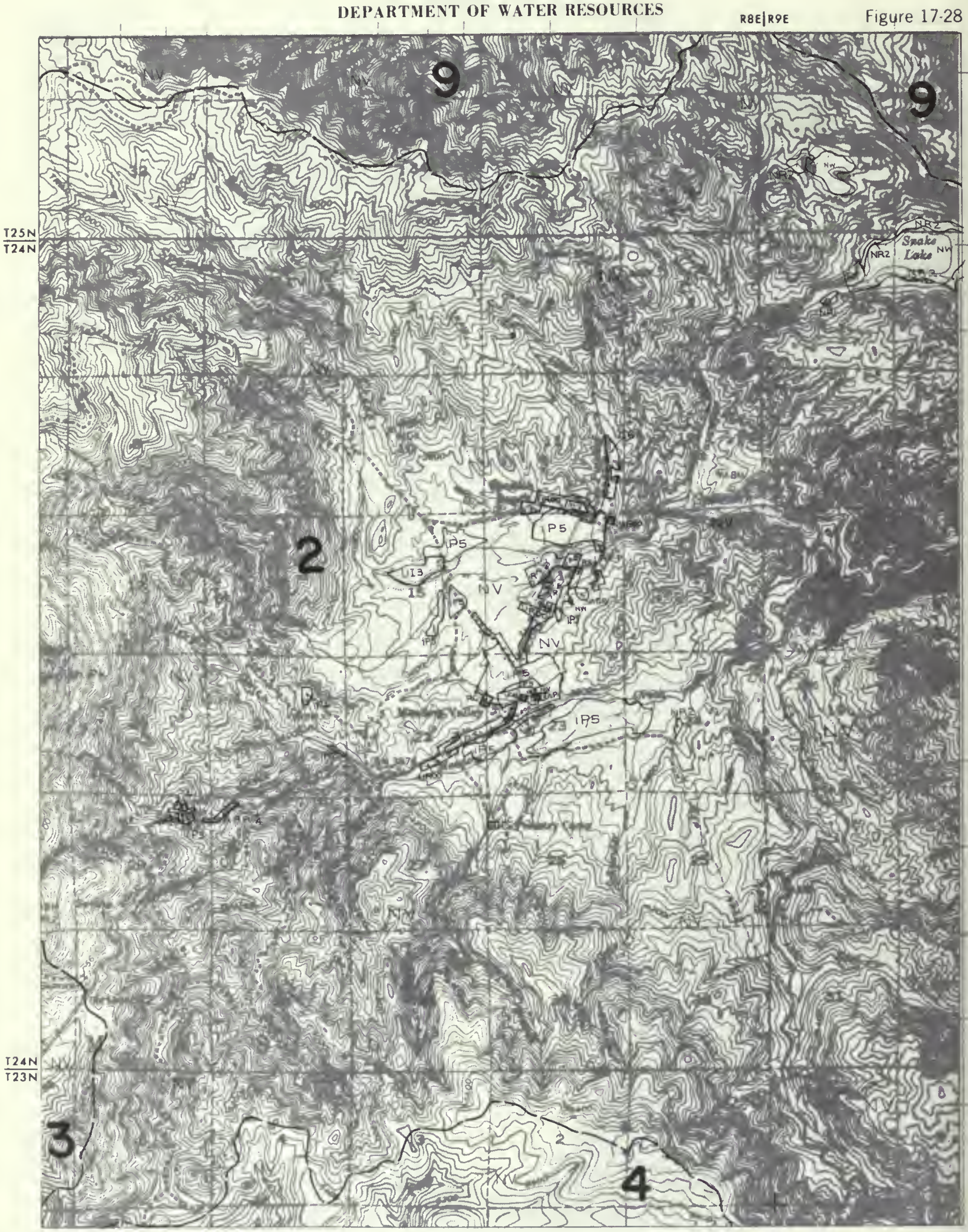
CLASSIFICATION OF LANDS
1963
BUCKS LAKE QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-28

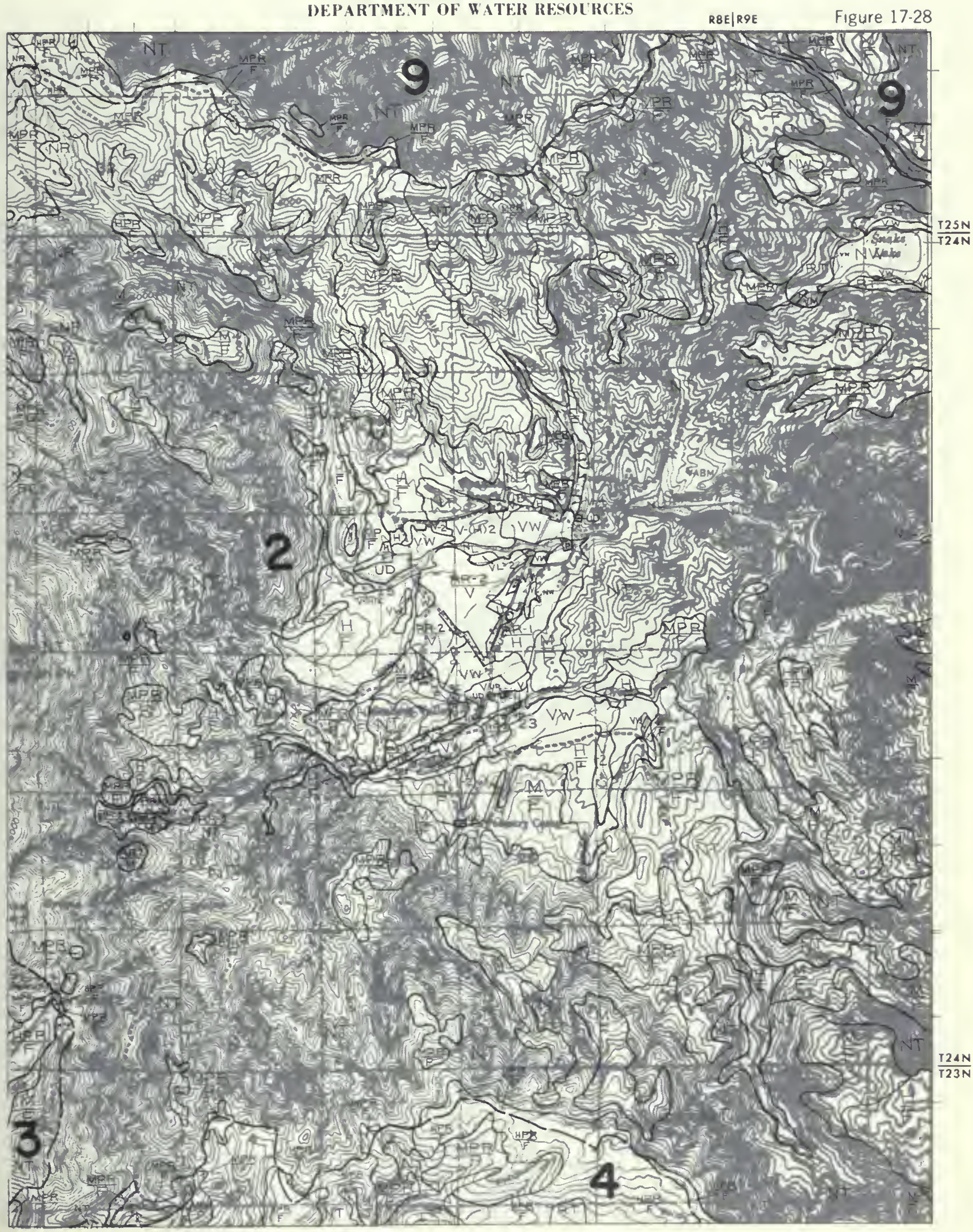


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
BUCKS LAKE QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-28



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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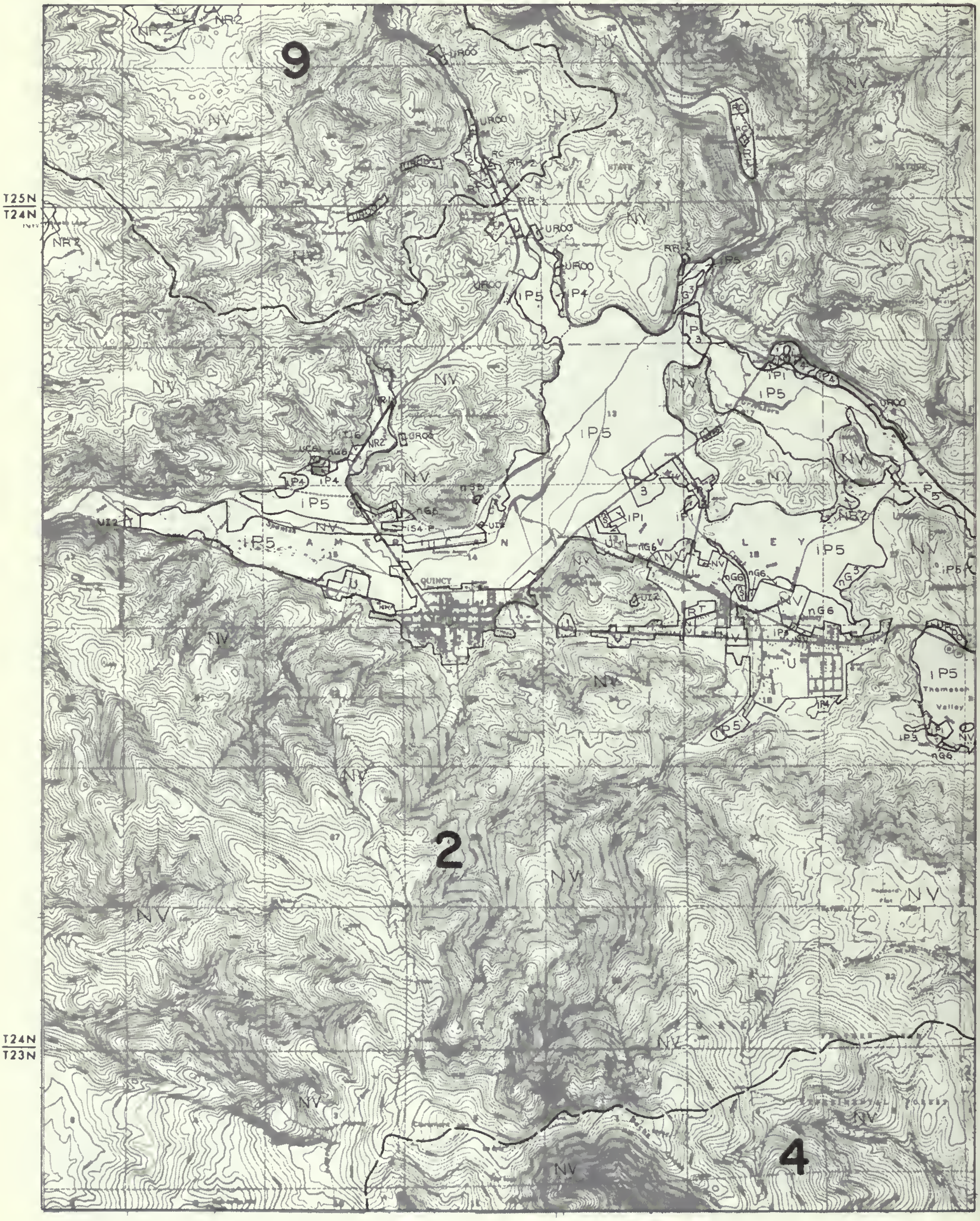
CLASSIFICATION OF LANDS
1963
BUCKS LAKE QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-29



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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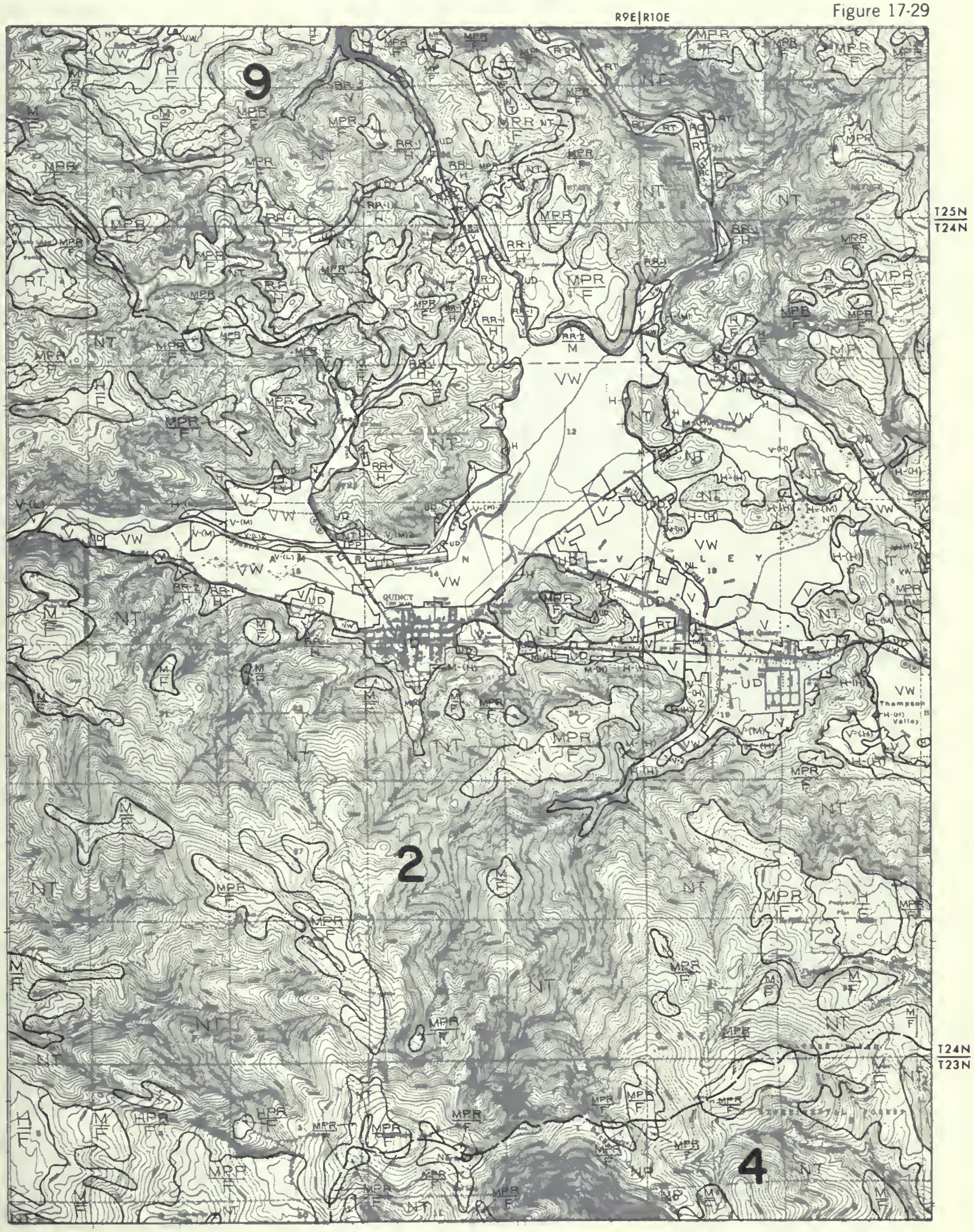
LAND USE
1963
QUINCY QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-29

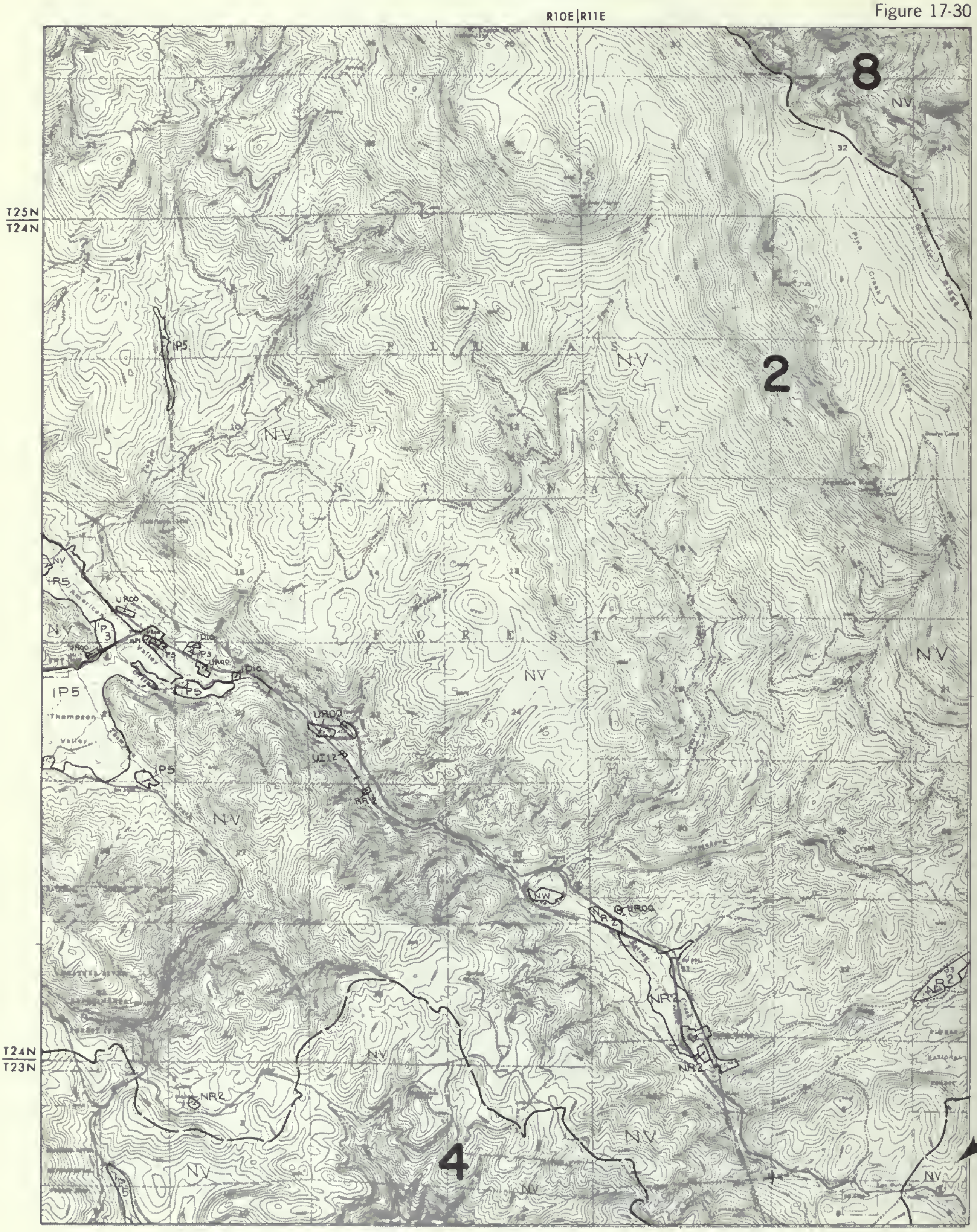


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
QUINCY QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-30

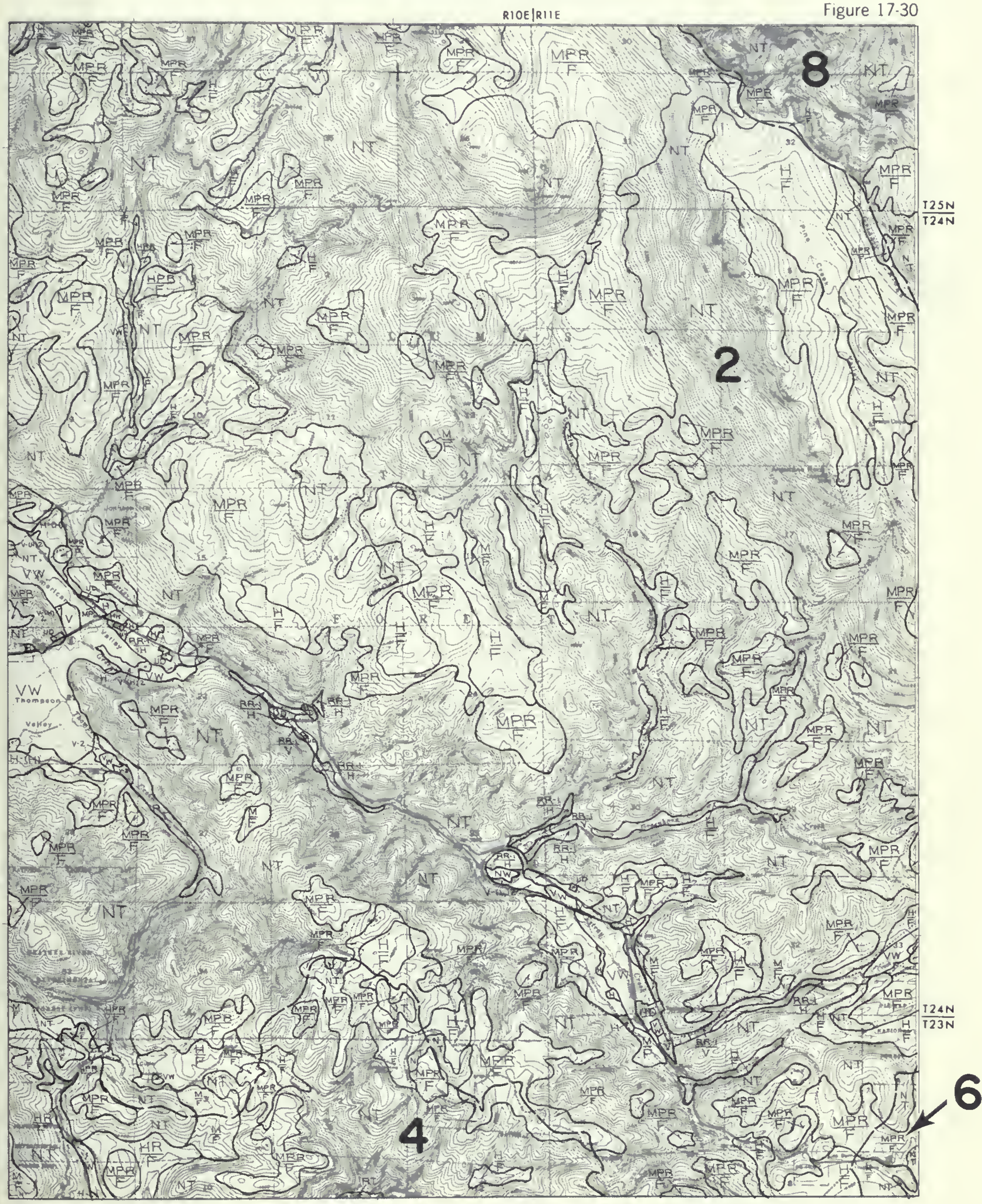


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
SPRING GARDEN QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-30

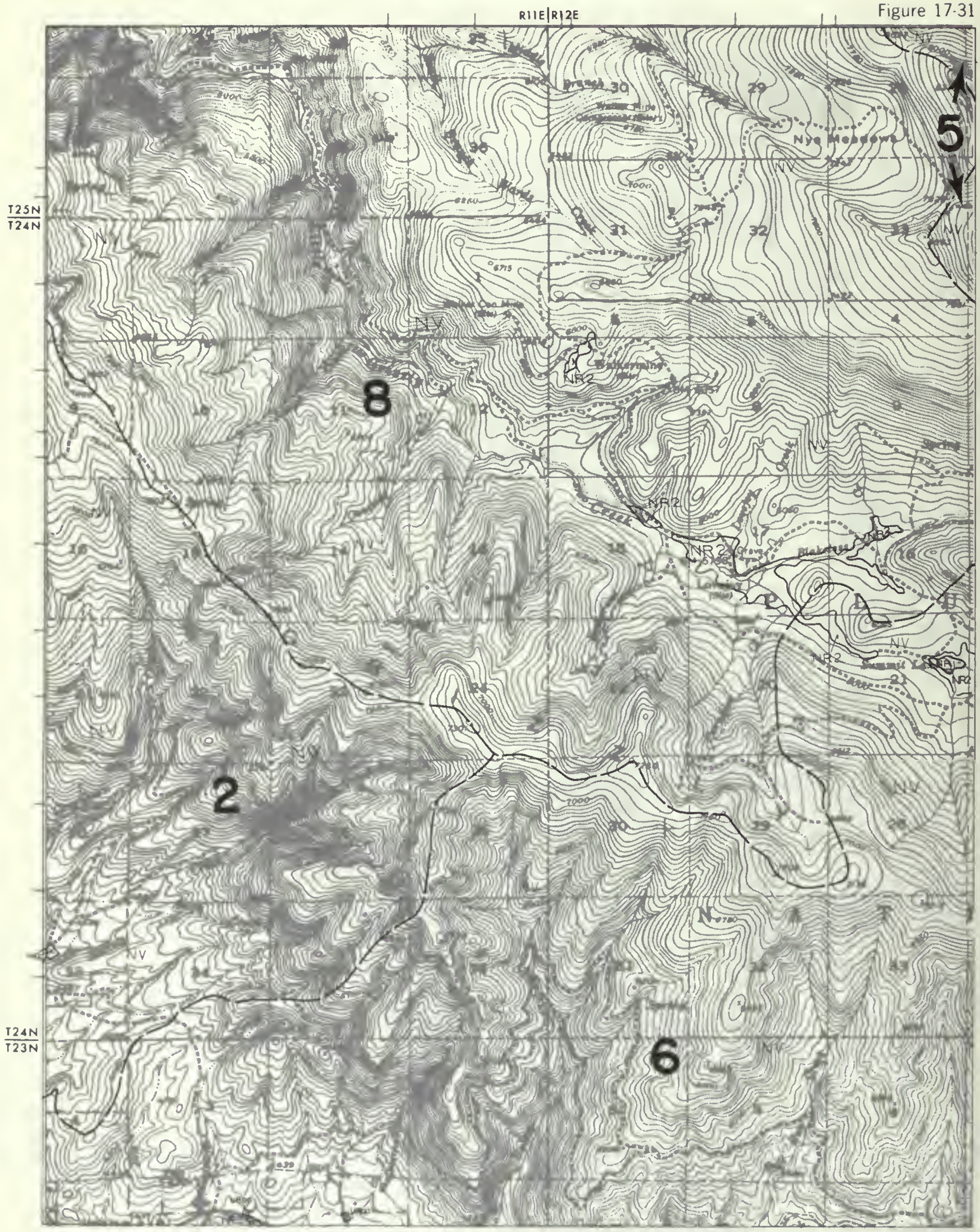


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
SPRING GARDEN QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-31



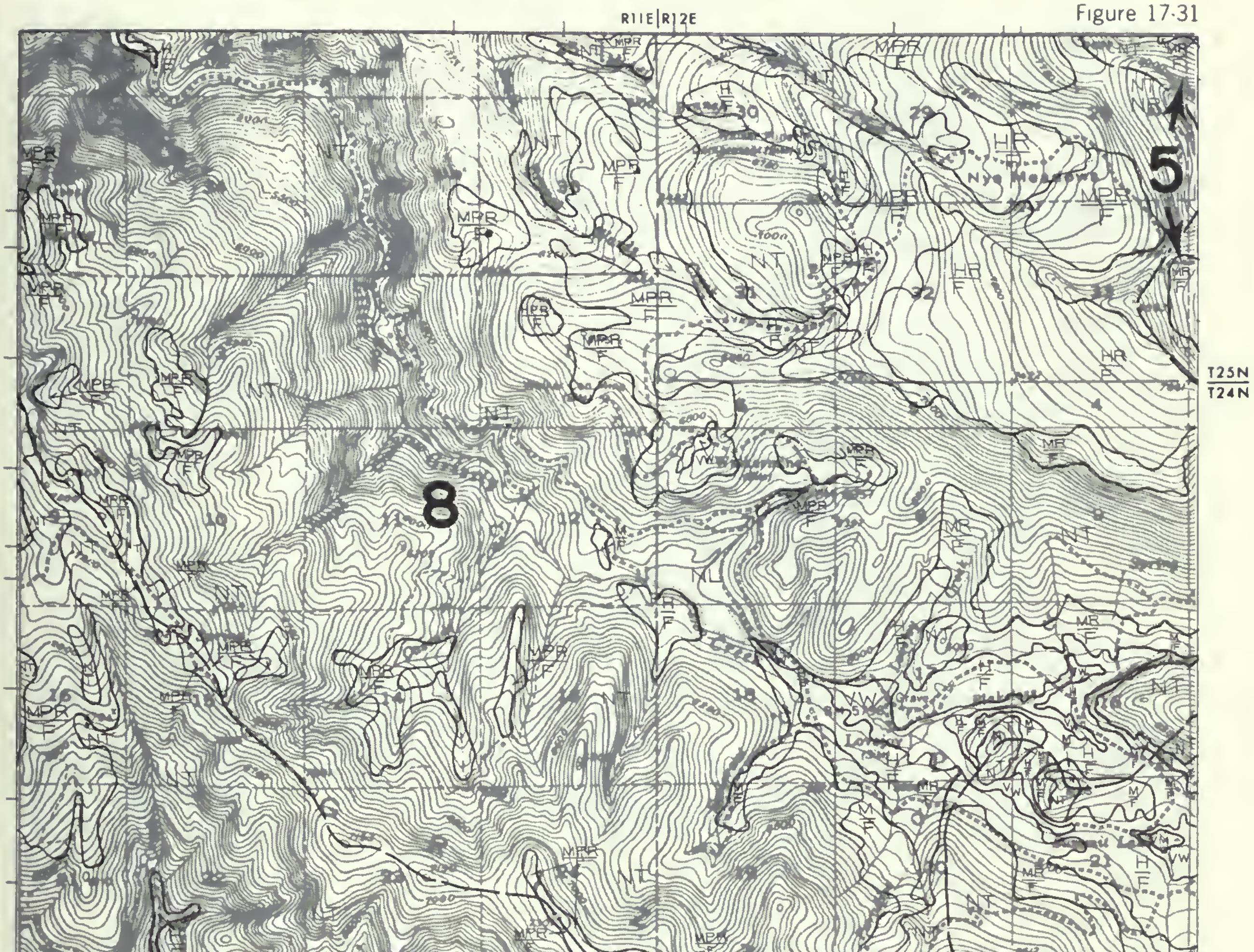
FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963

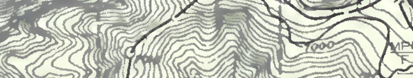
BLAIRSDEN QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-31



FEATHER RIVER
HYDROGRAPHIC UNIT

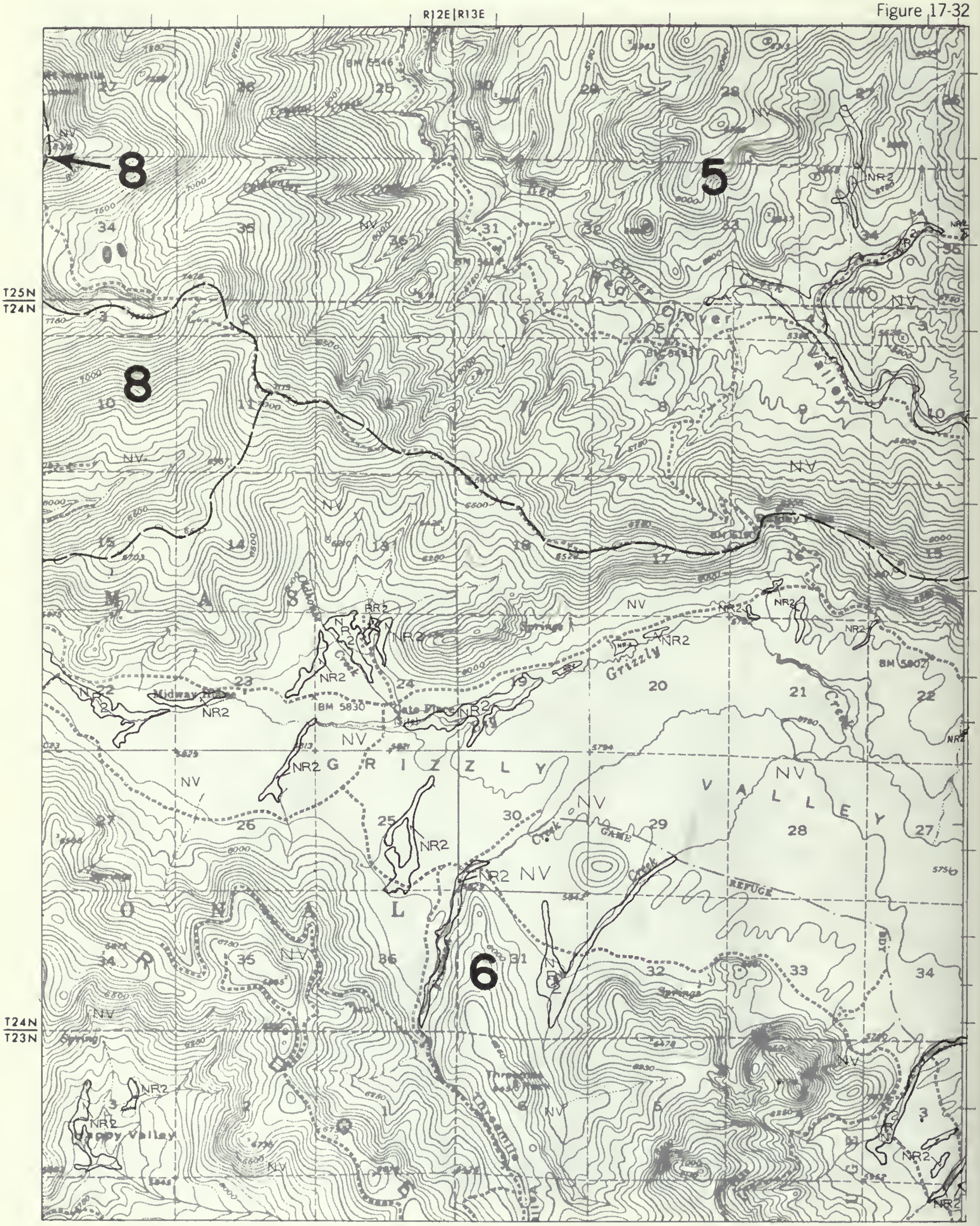


CLASSIFICATION OF LANDS
1963

BLAIRSDEN QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-32



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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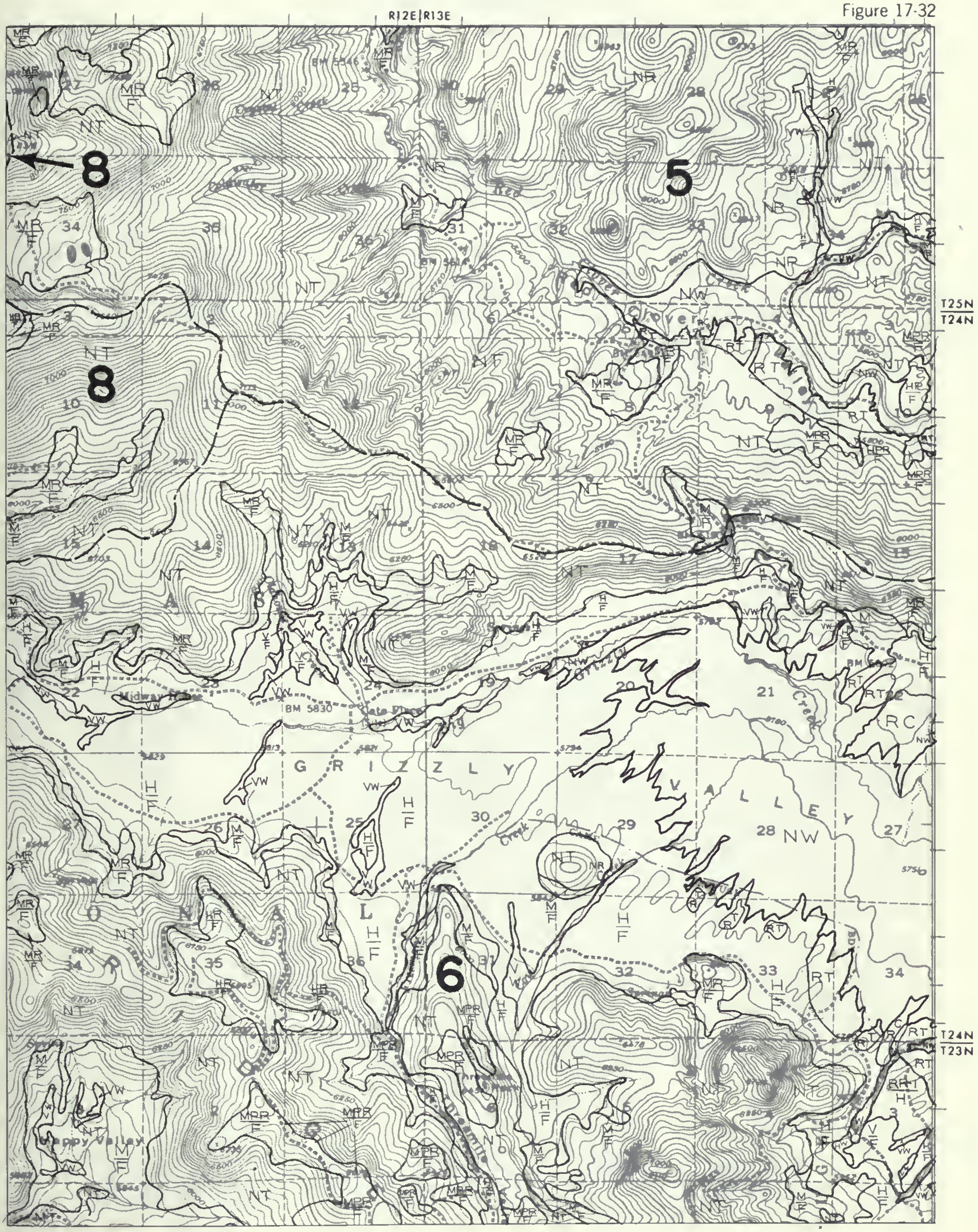
1000 0 2000 4000 6000 FEET

LAND USE
1963
BLAIRSDEN QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-32



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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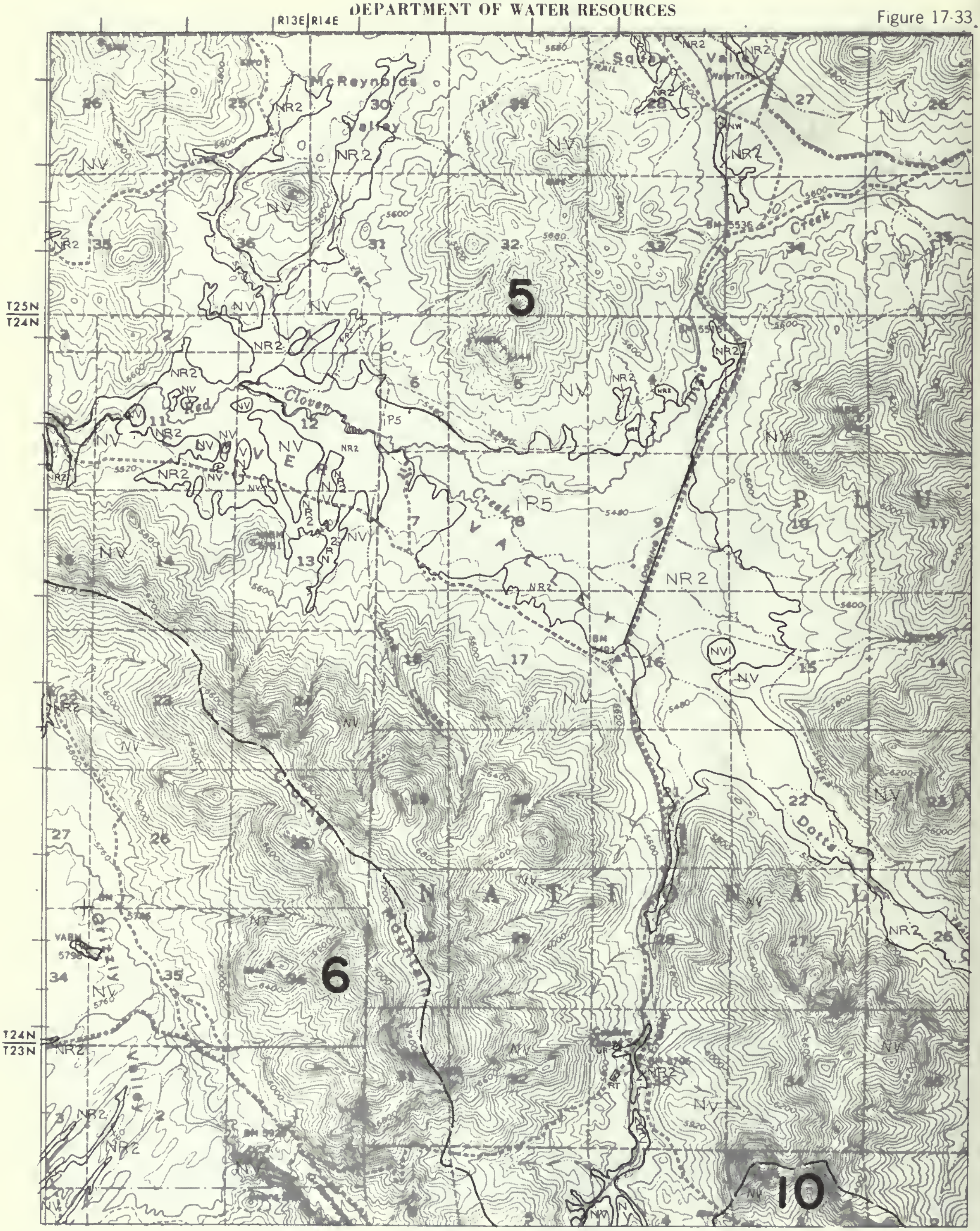
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
BLAIRSDEN QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-33



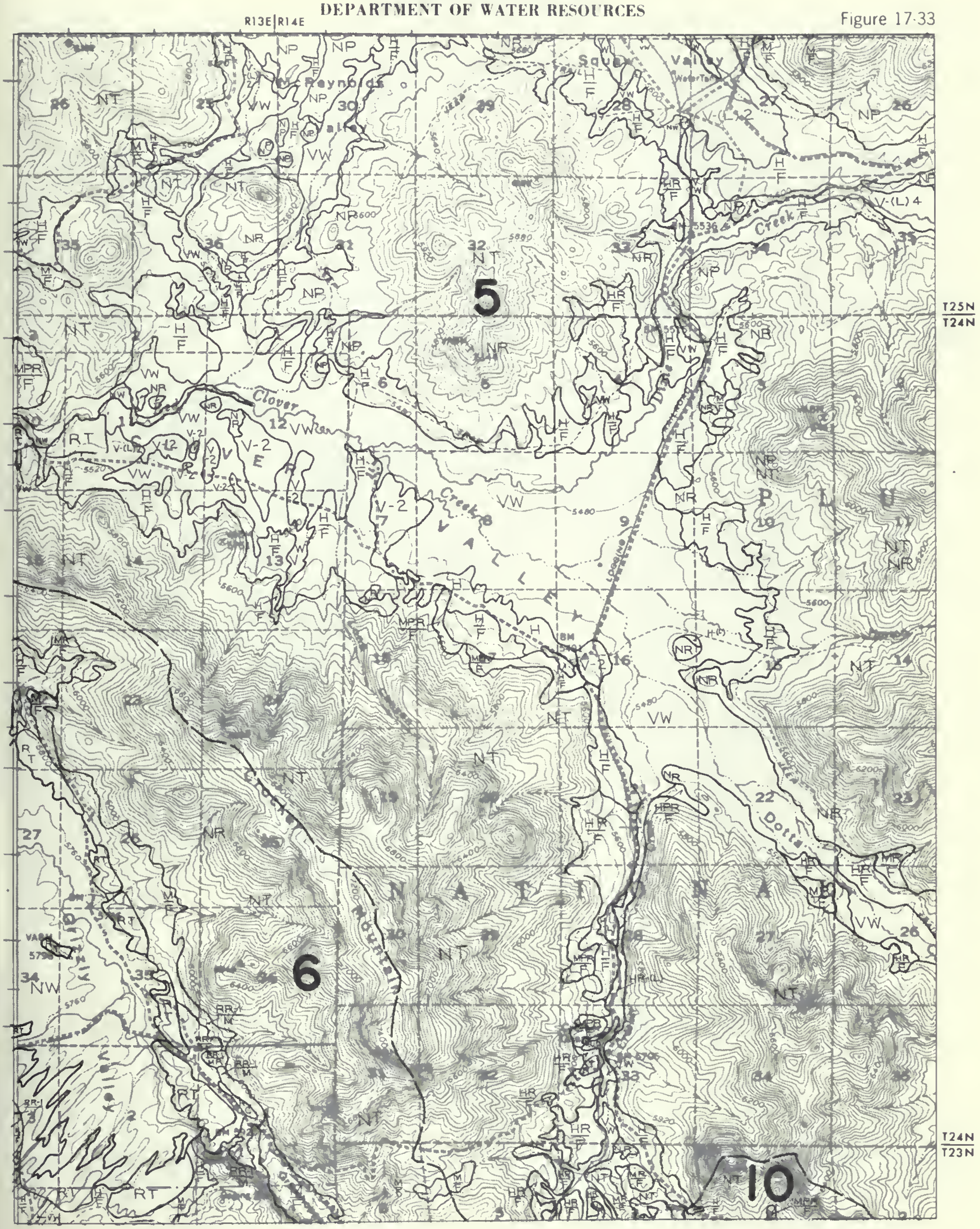
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
PORTOLA QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-33



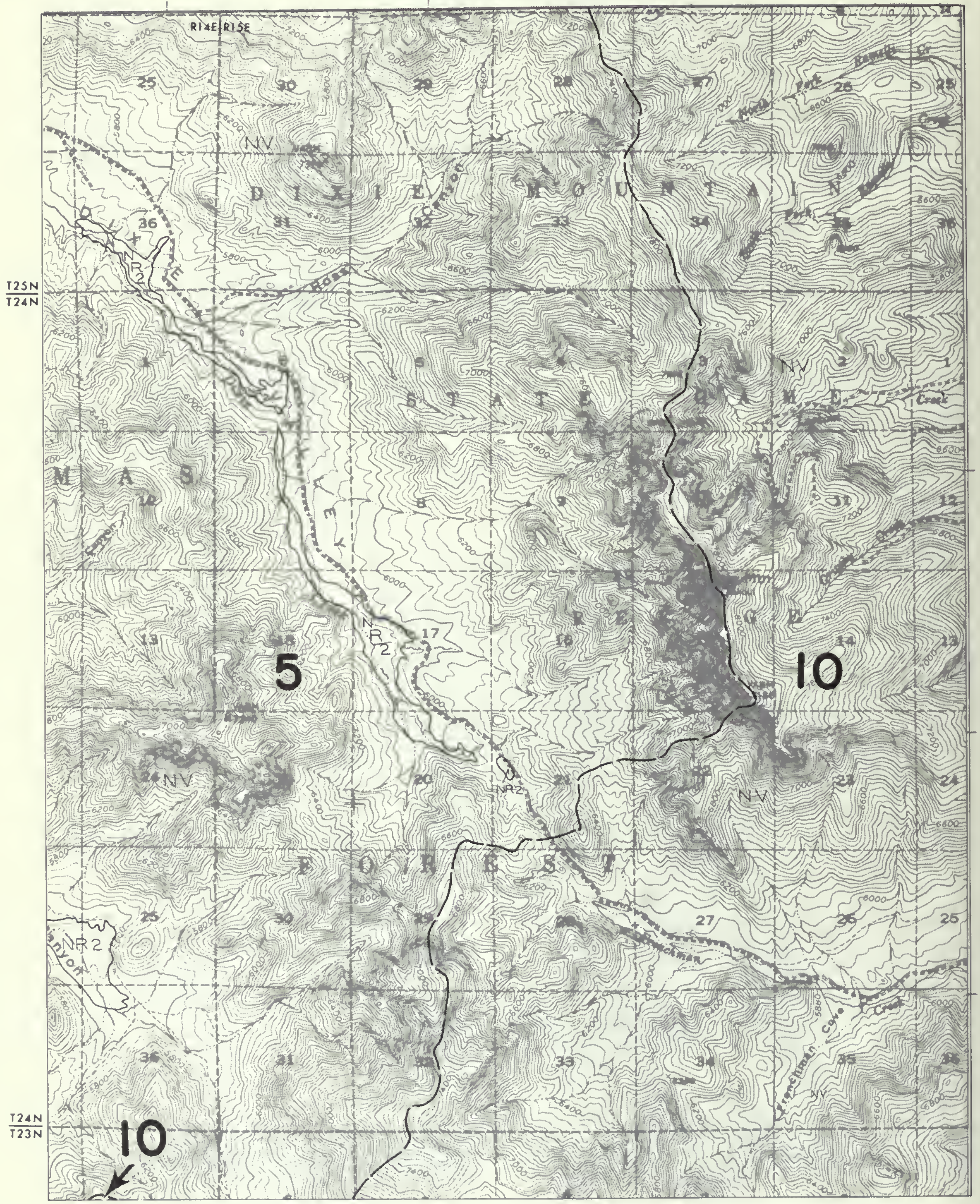
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
PORTOLA QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-34



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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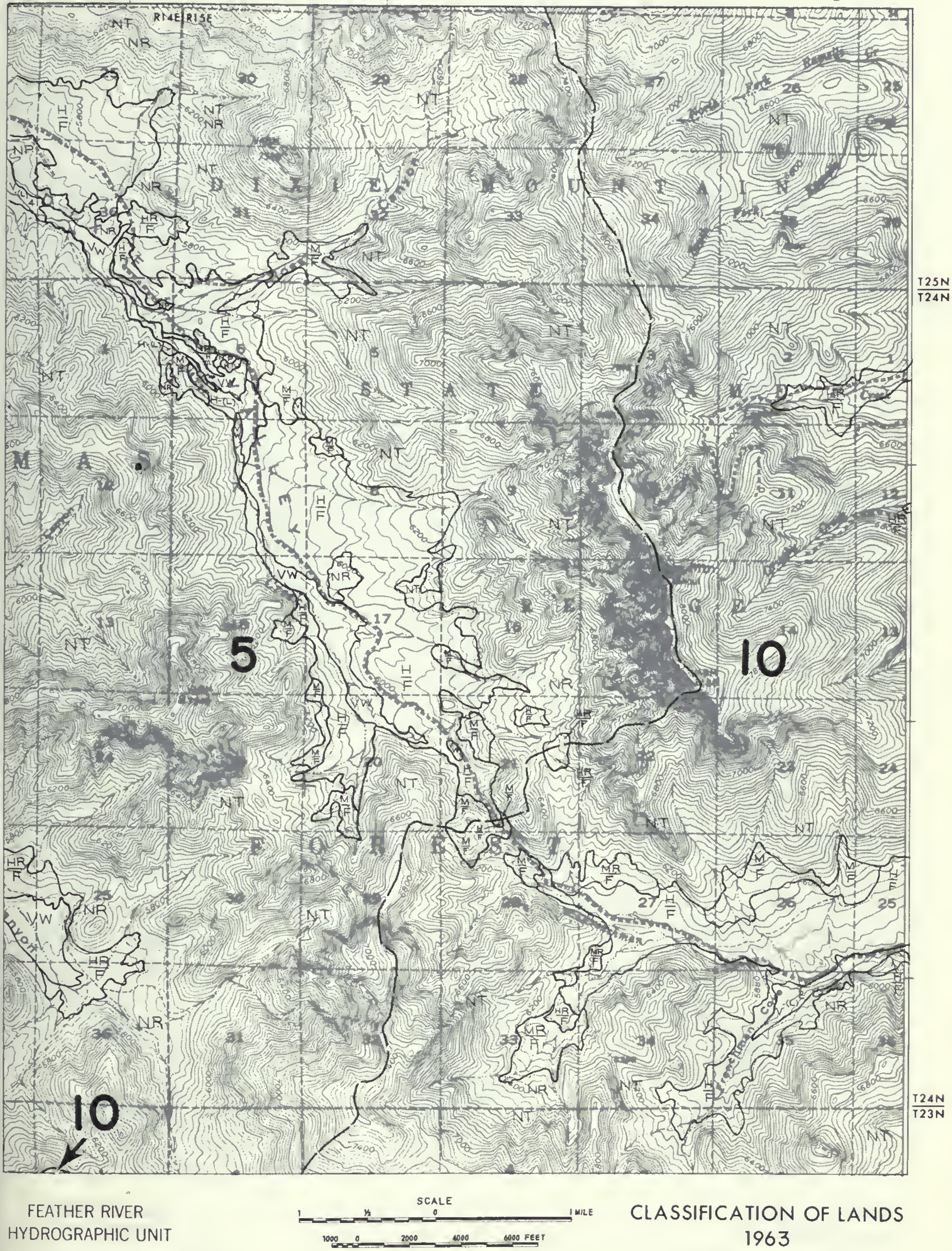
1000 0 2000 4000 6000 FEET

LAND USE
1963
PORTOLA QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-34

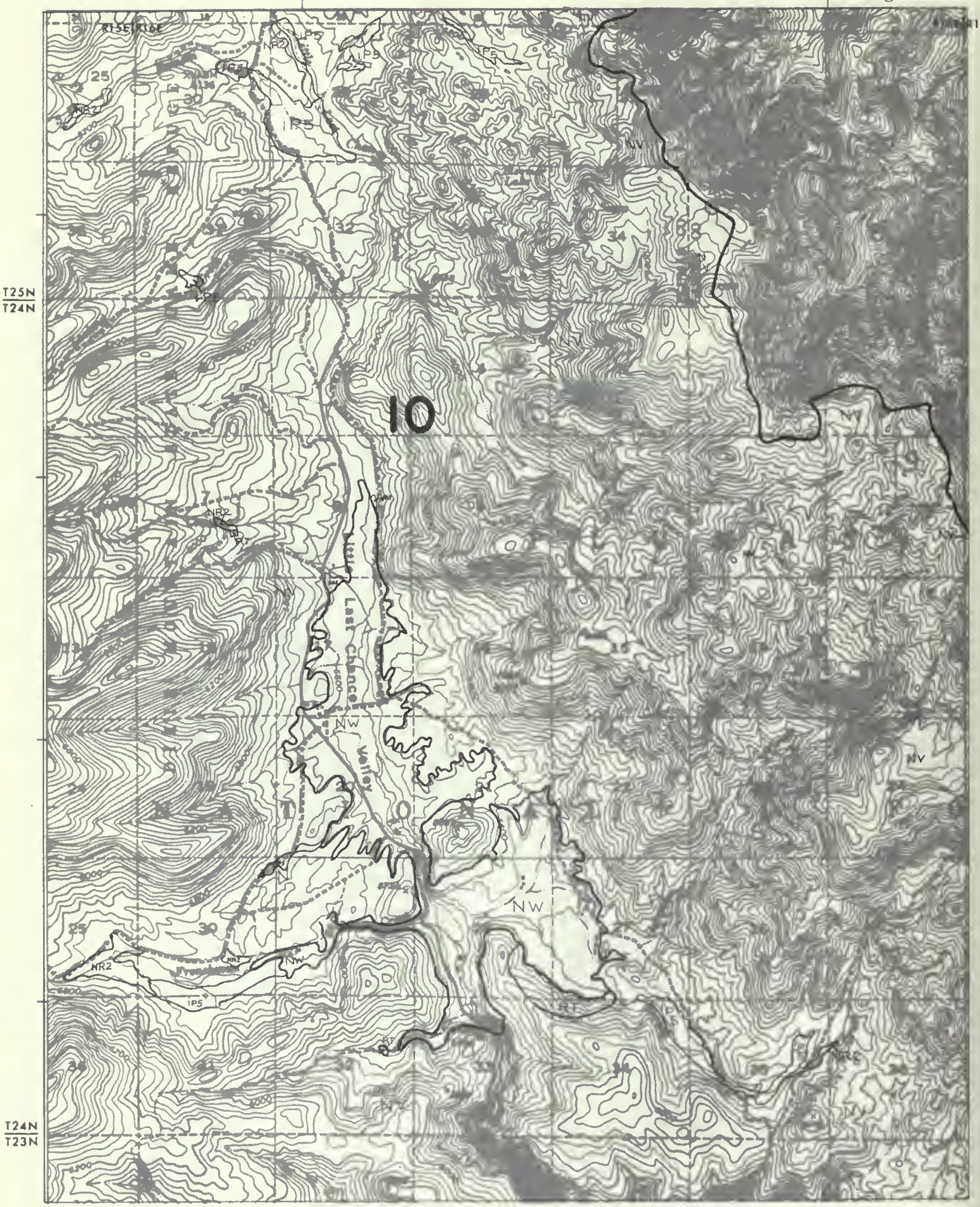


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
PORTOLA QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-35

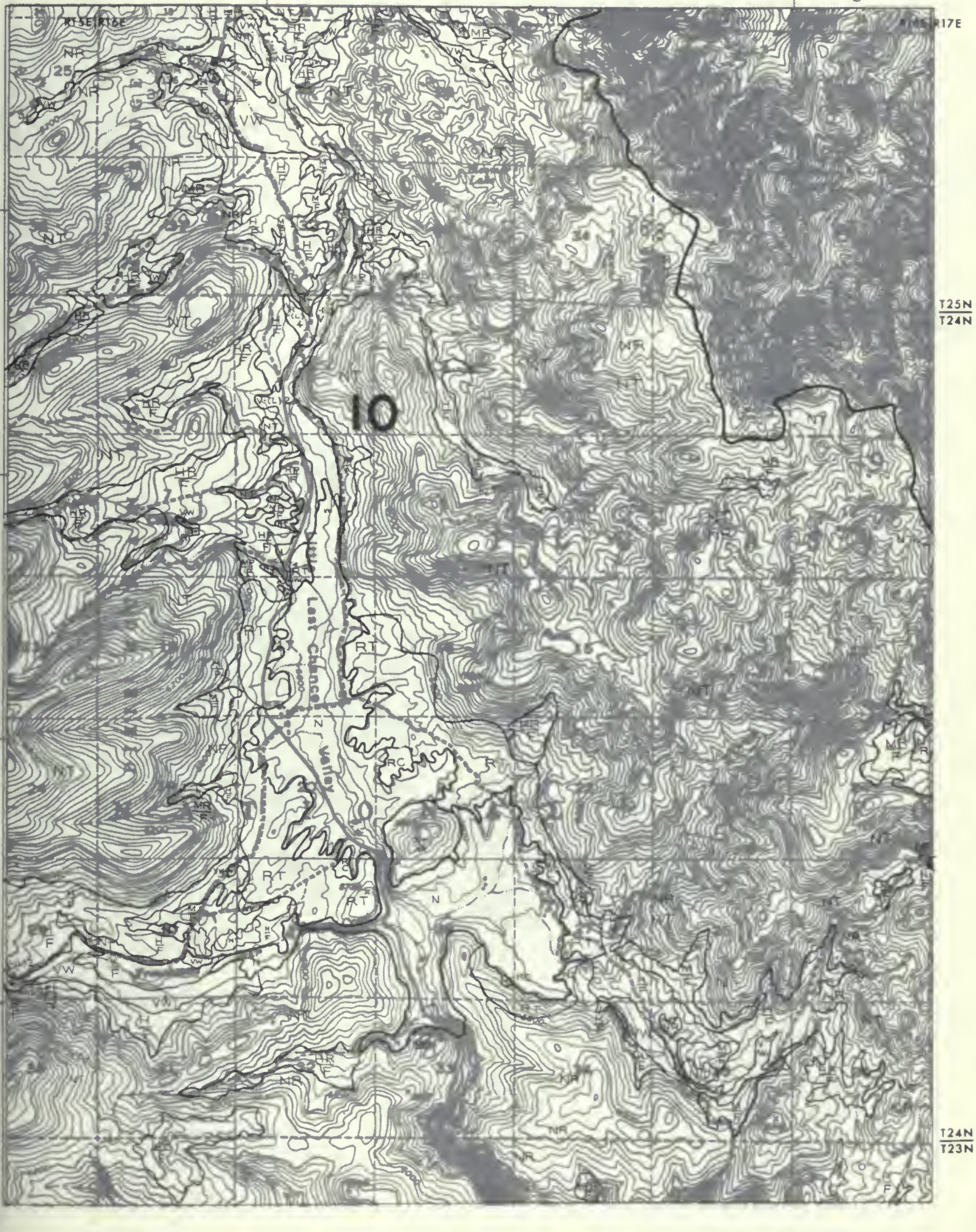


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
CHILCOOT QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-35

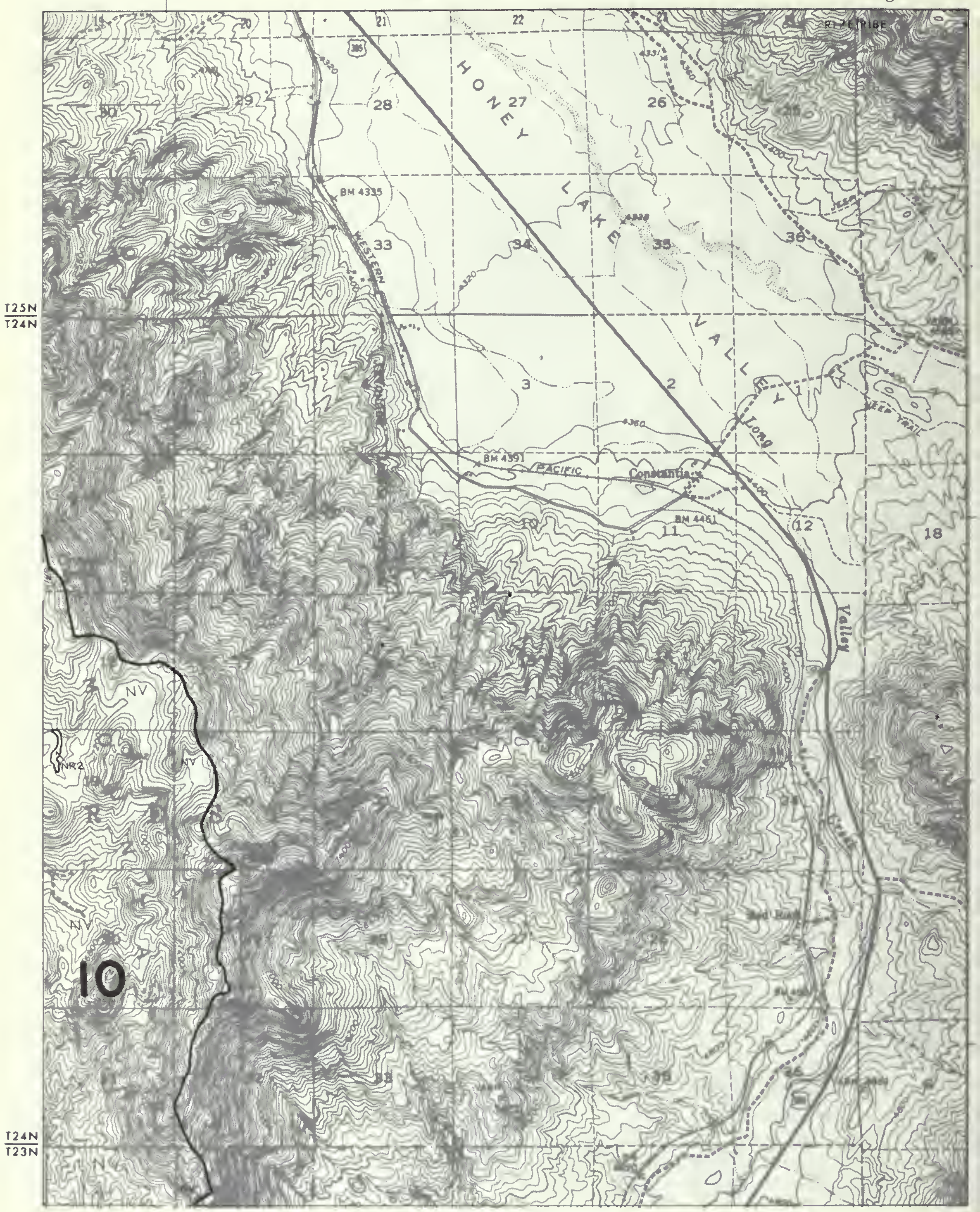


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
CHILCOOT QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-36

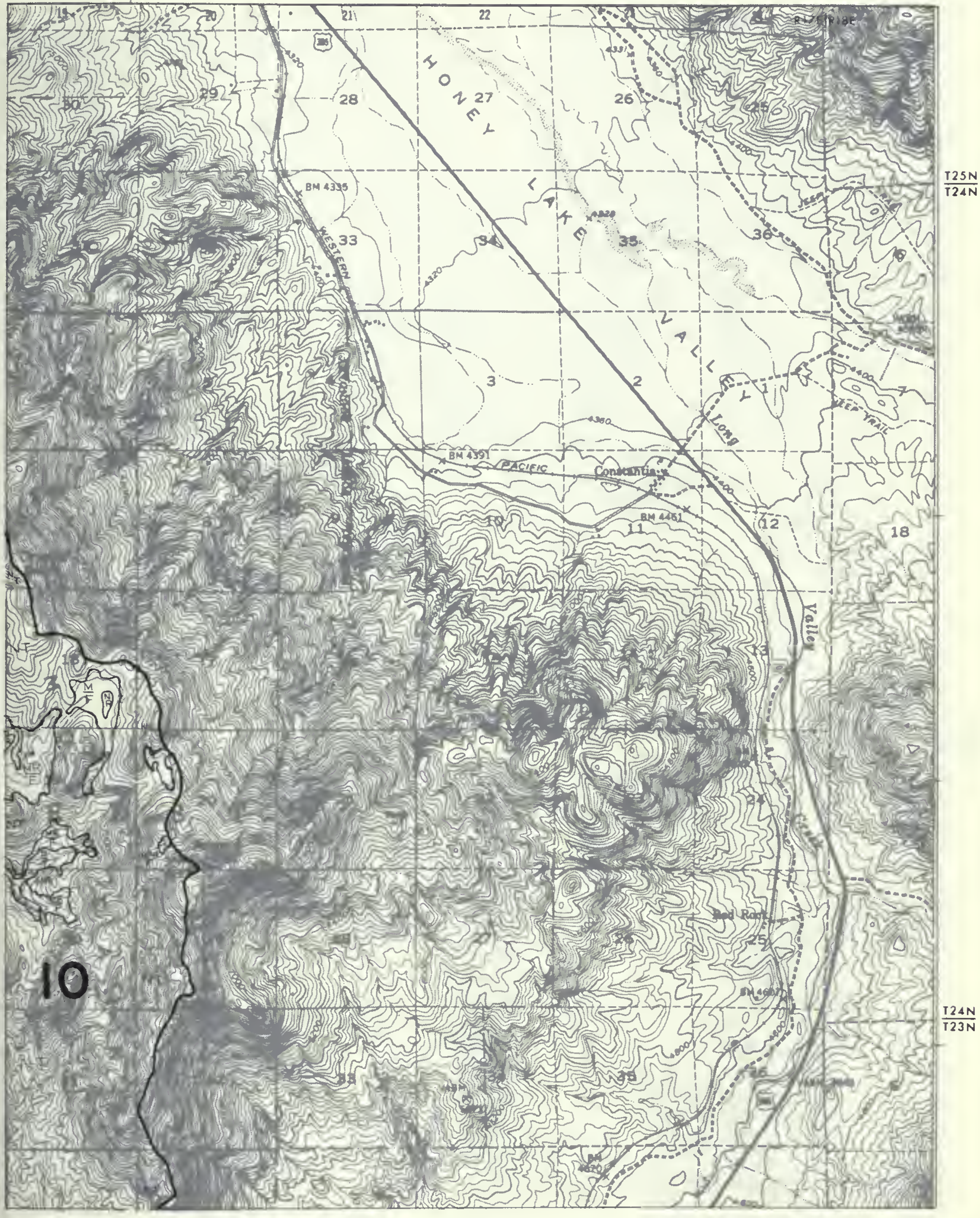


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
CHILCOOT QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 17-36



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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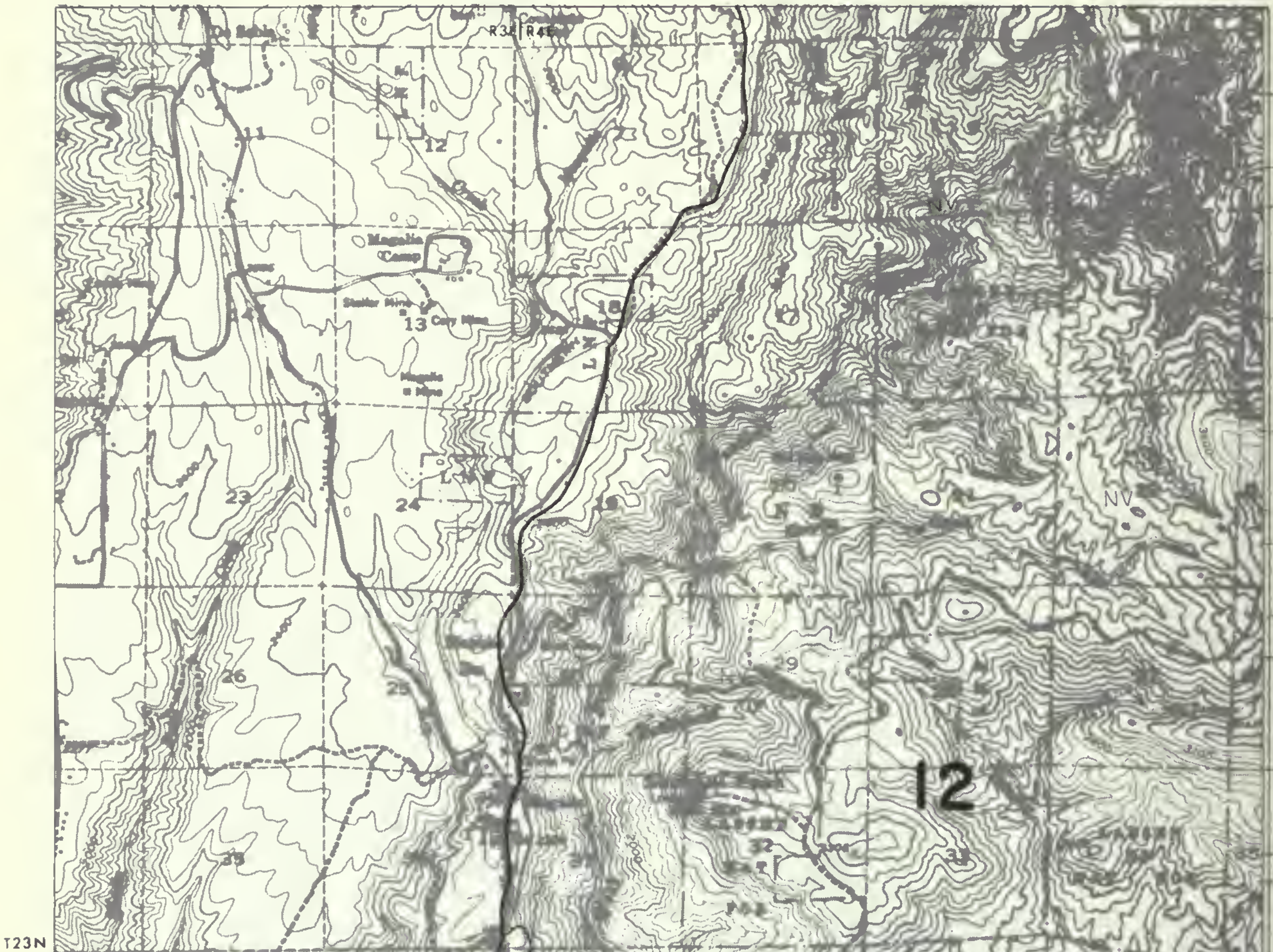
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
CHILCOOT QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-24



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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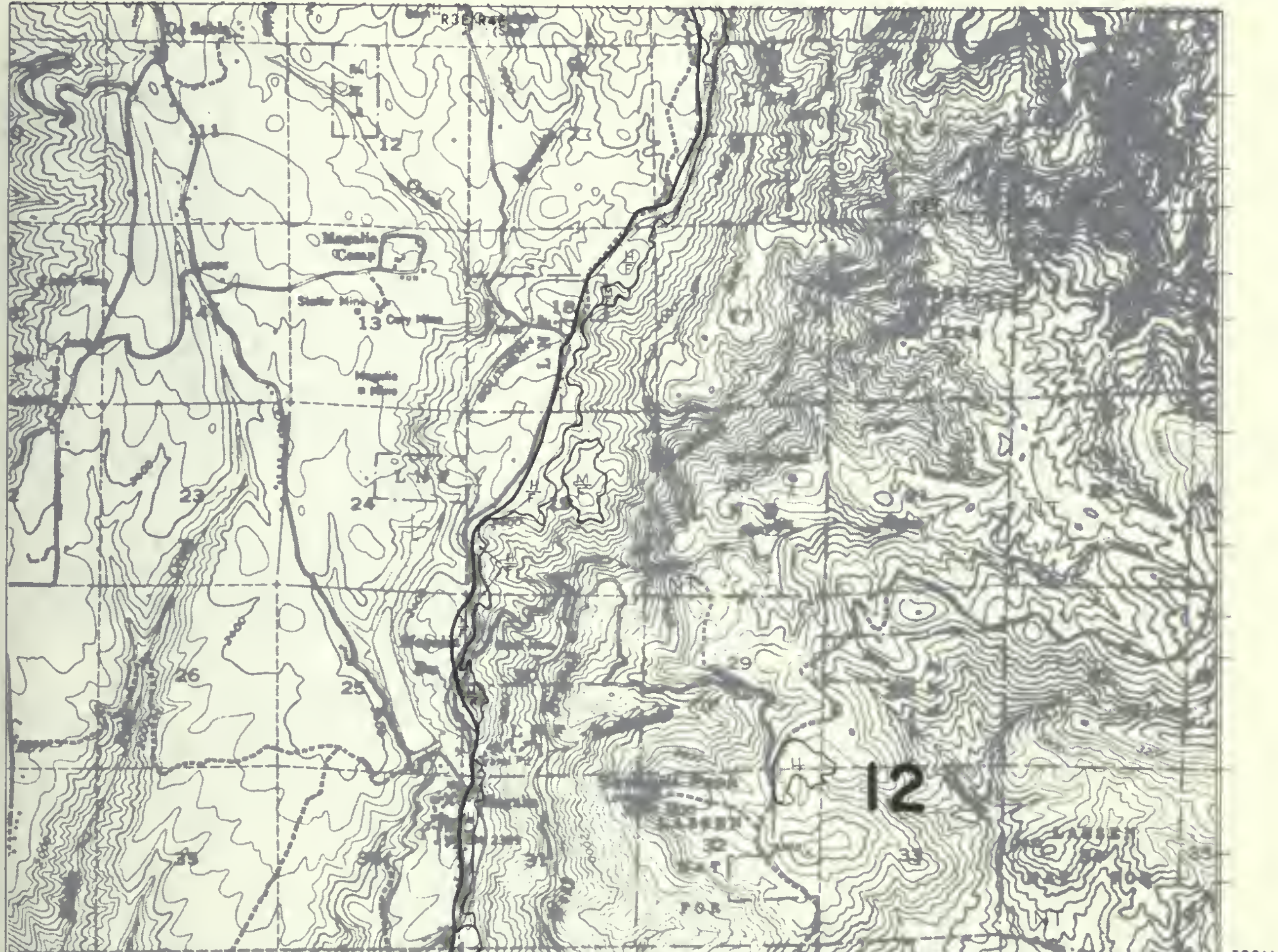
1000 0 2000 4000 6000 FEET

LAND USE
1963
PARADISE QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-24



SCALE
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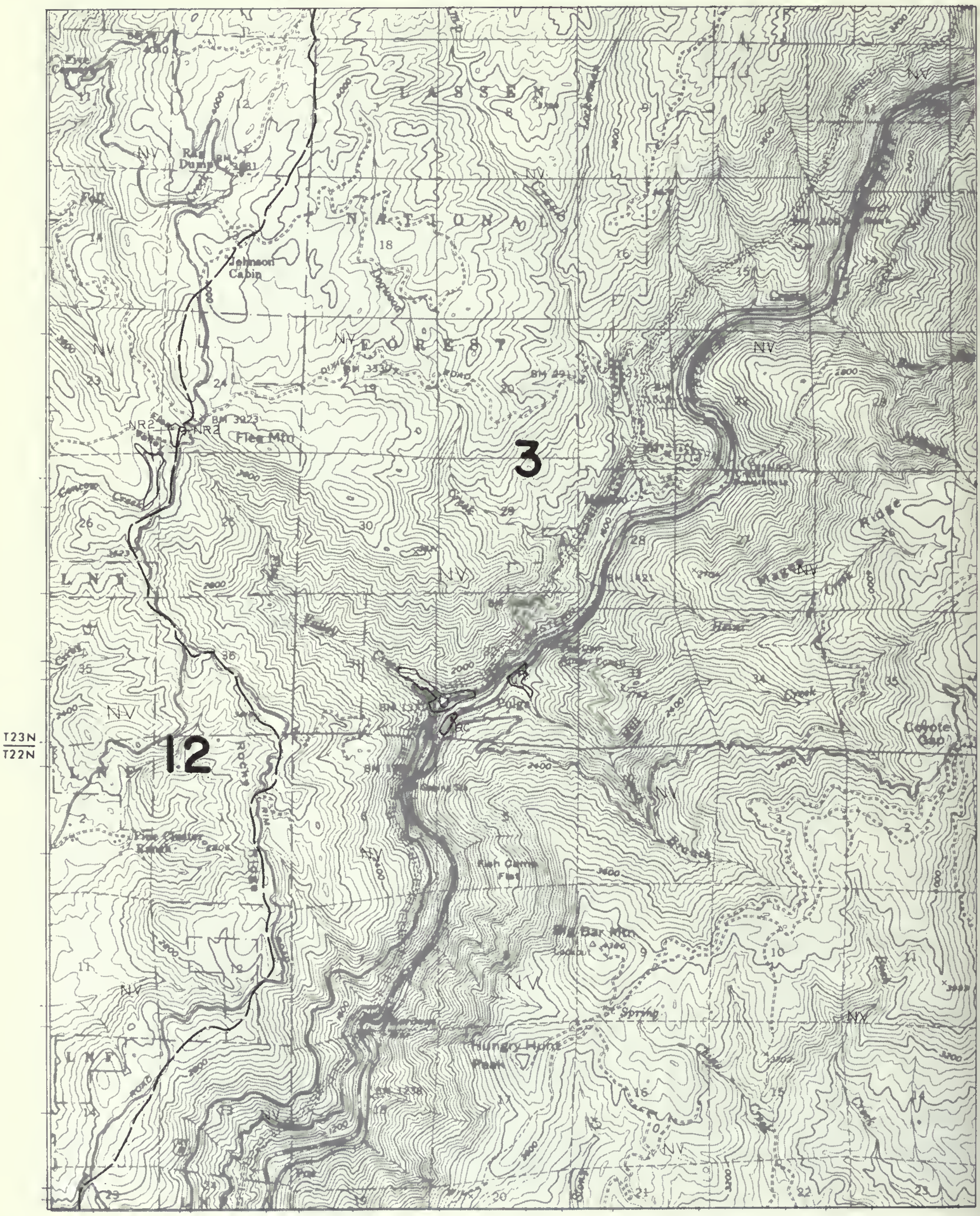
FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
PARADISE QUADRANGLE
Southeast Quarter

Figure 18-25



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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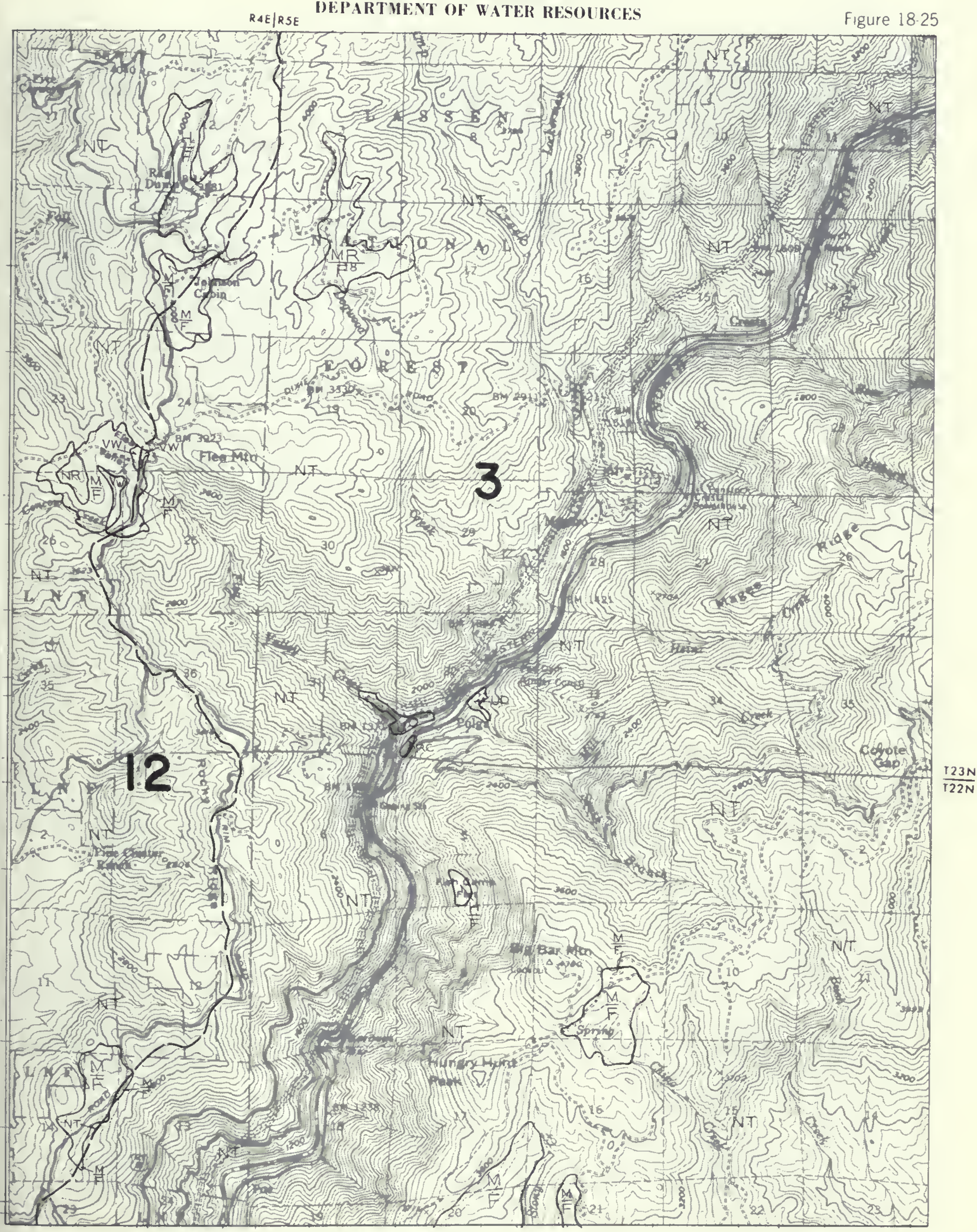
1000 0 2000 4000 6000 FEET

LAND USE
1963
PULGA QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-25



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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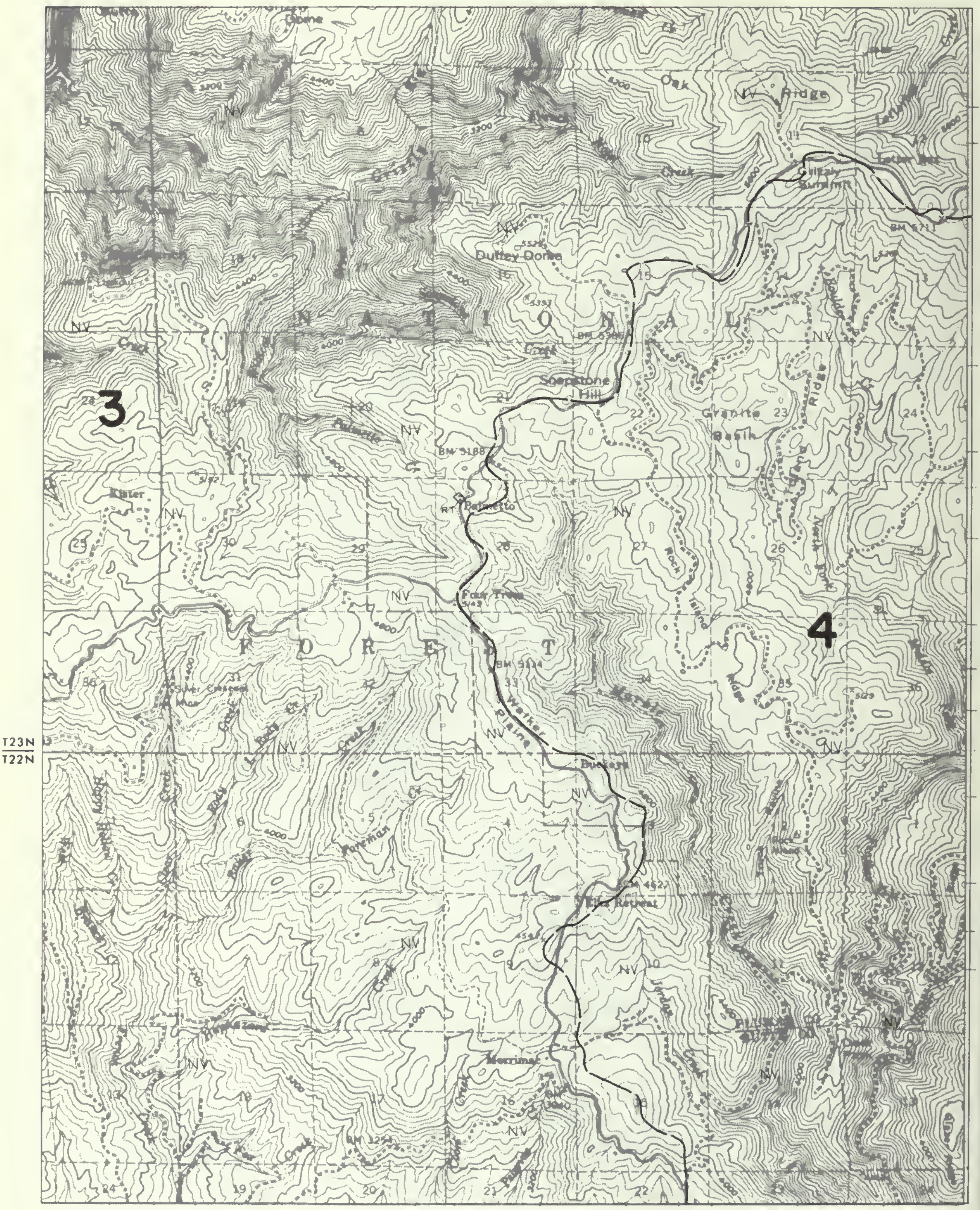
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
PULGA QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

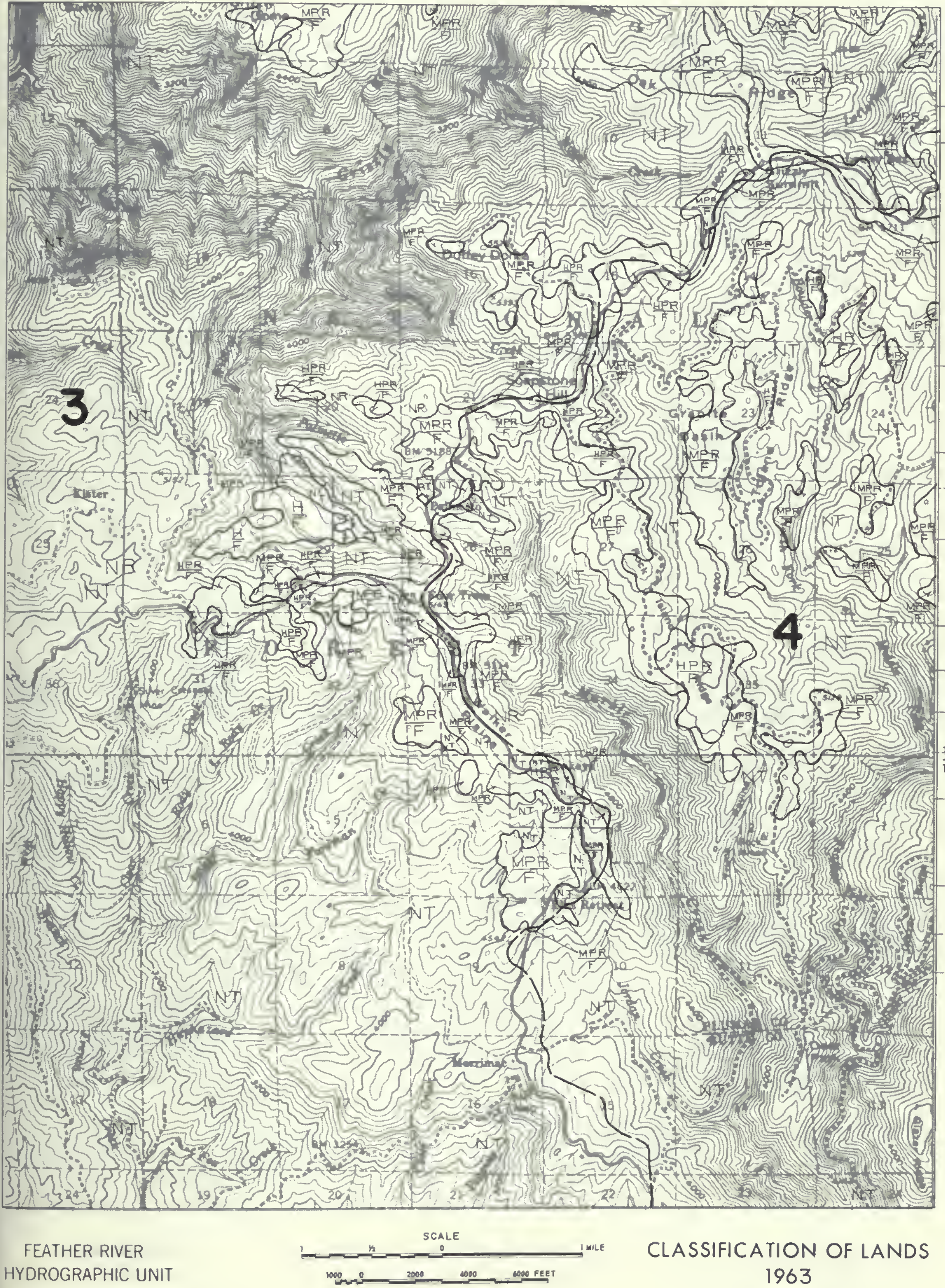
Figure 18-26



LAND USE
1963
PULGA QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-26



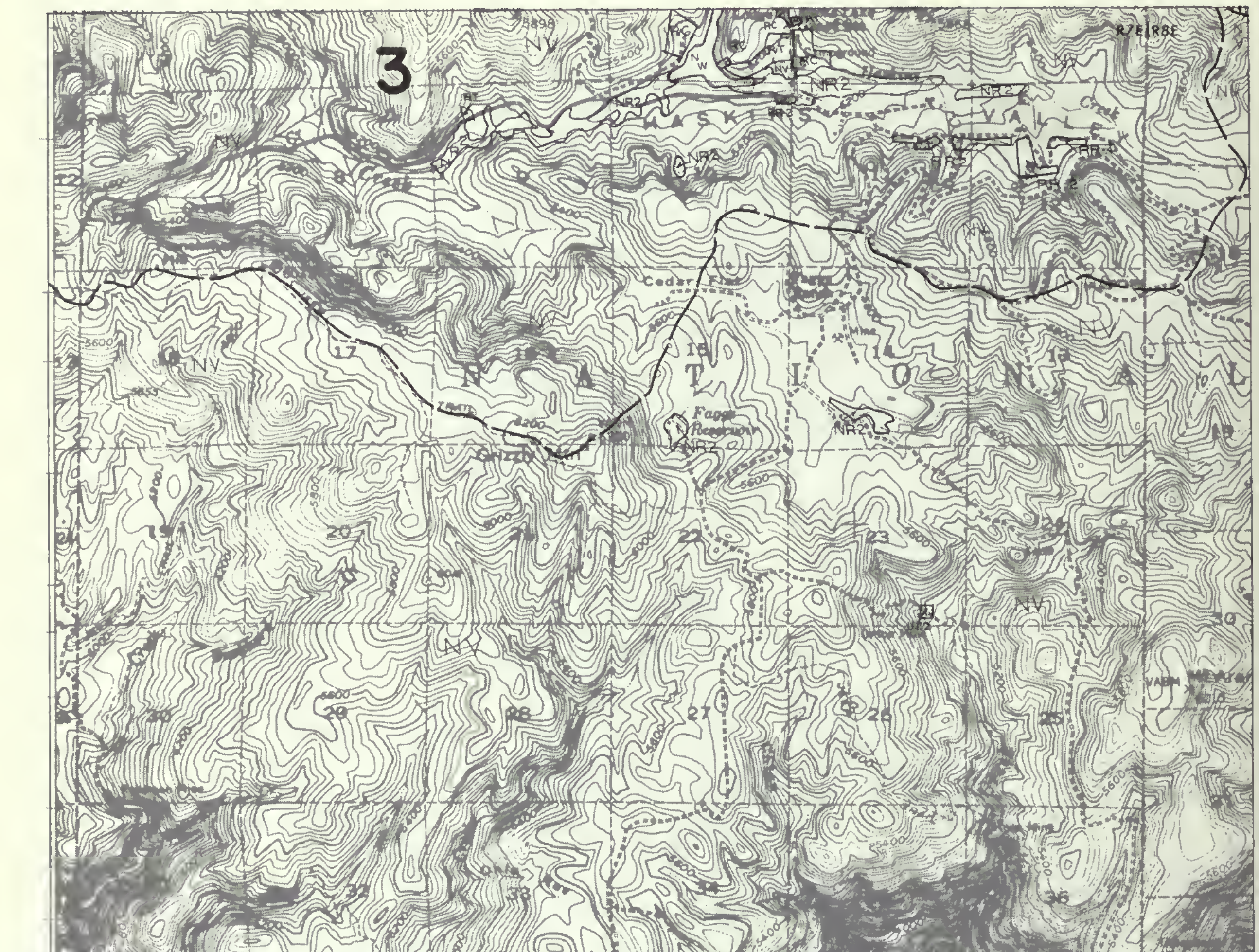
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
PULGA QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-27



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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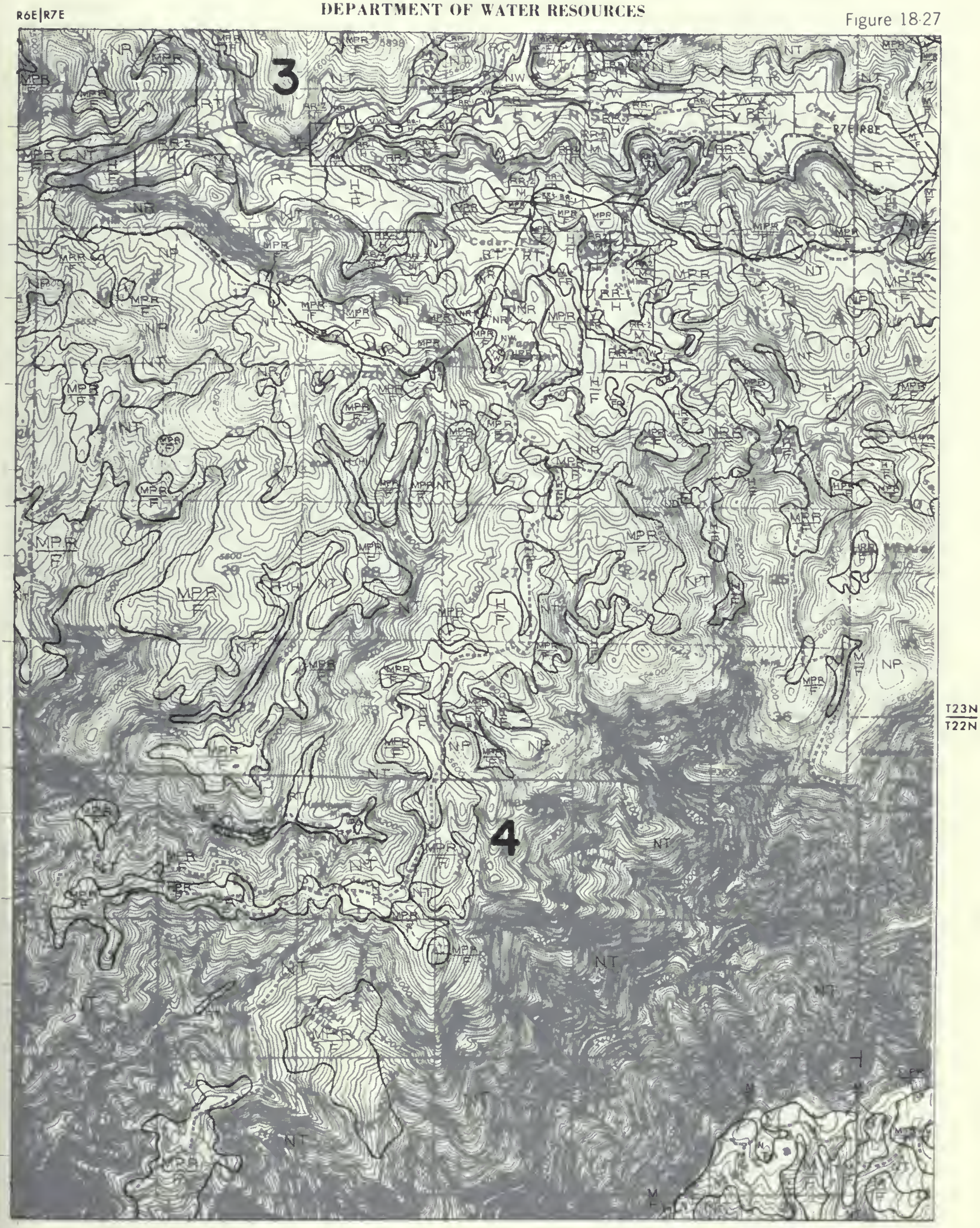
1000 0 2000 4000 6000 FEET

LAND USE
1963
BUCKS LAKE QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-27



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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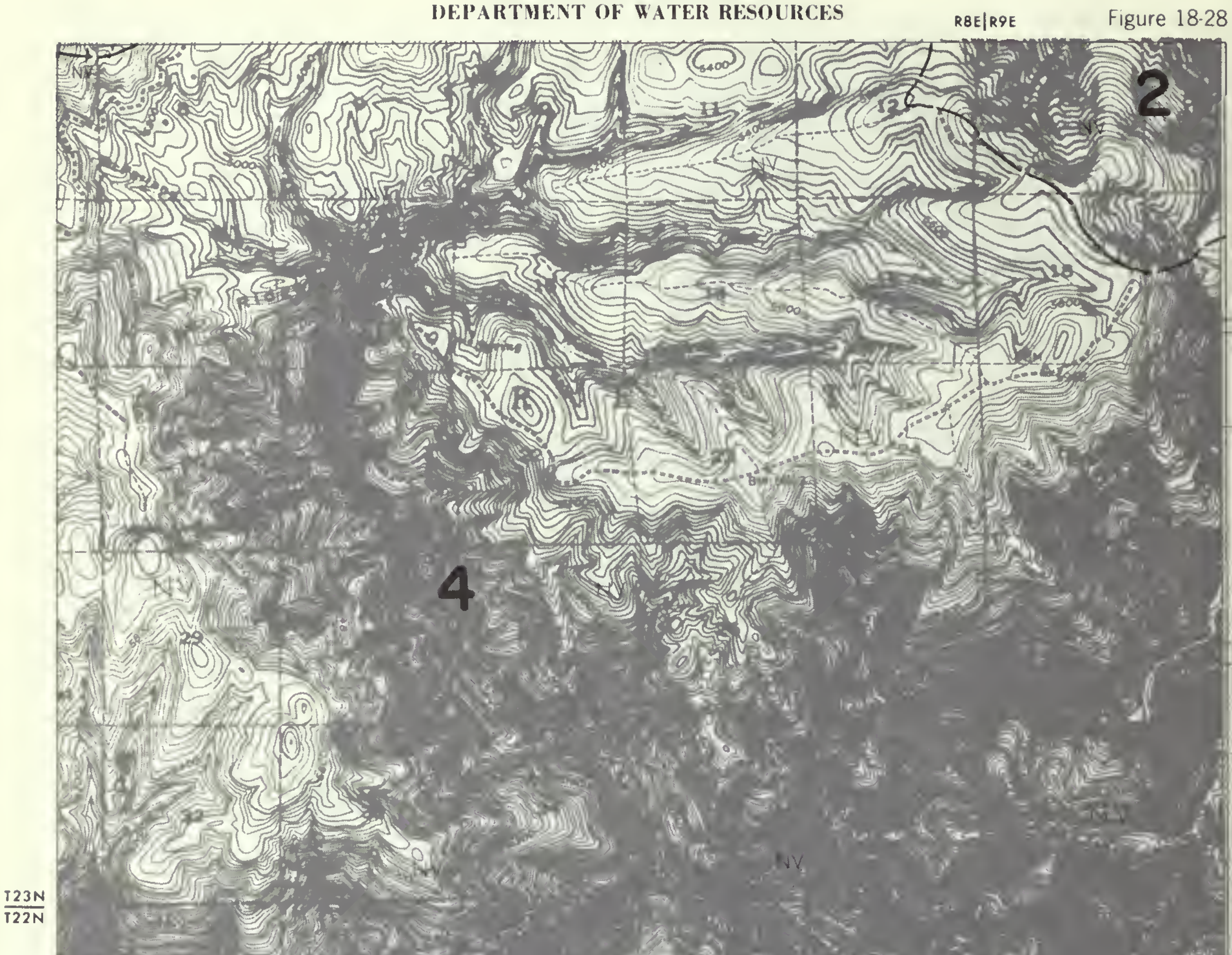
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
BUCKS LAKE QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-28

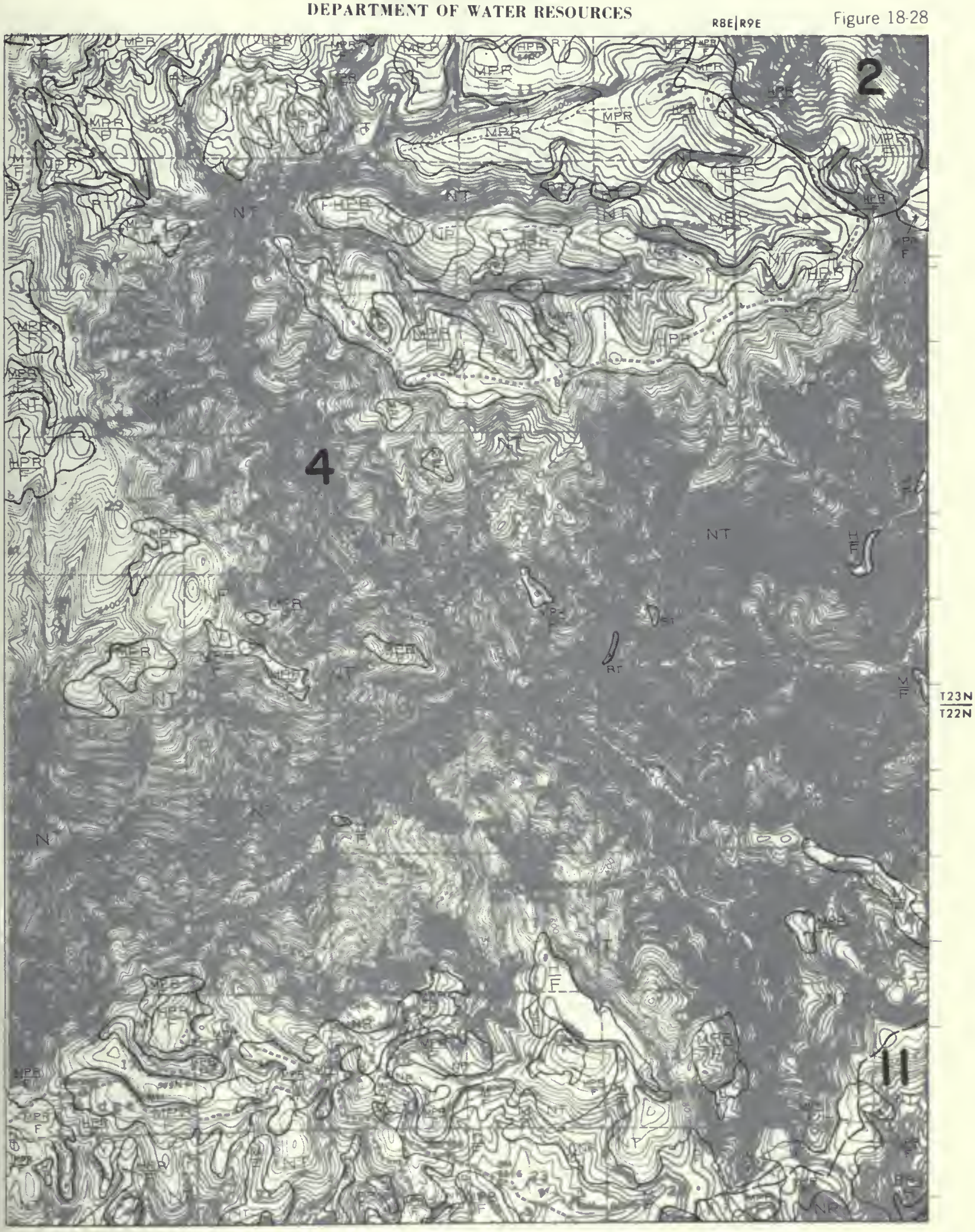


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
BUCKS LAKE QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-28

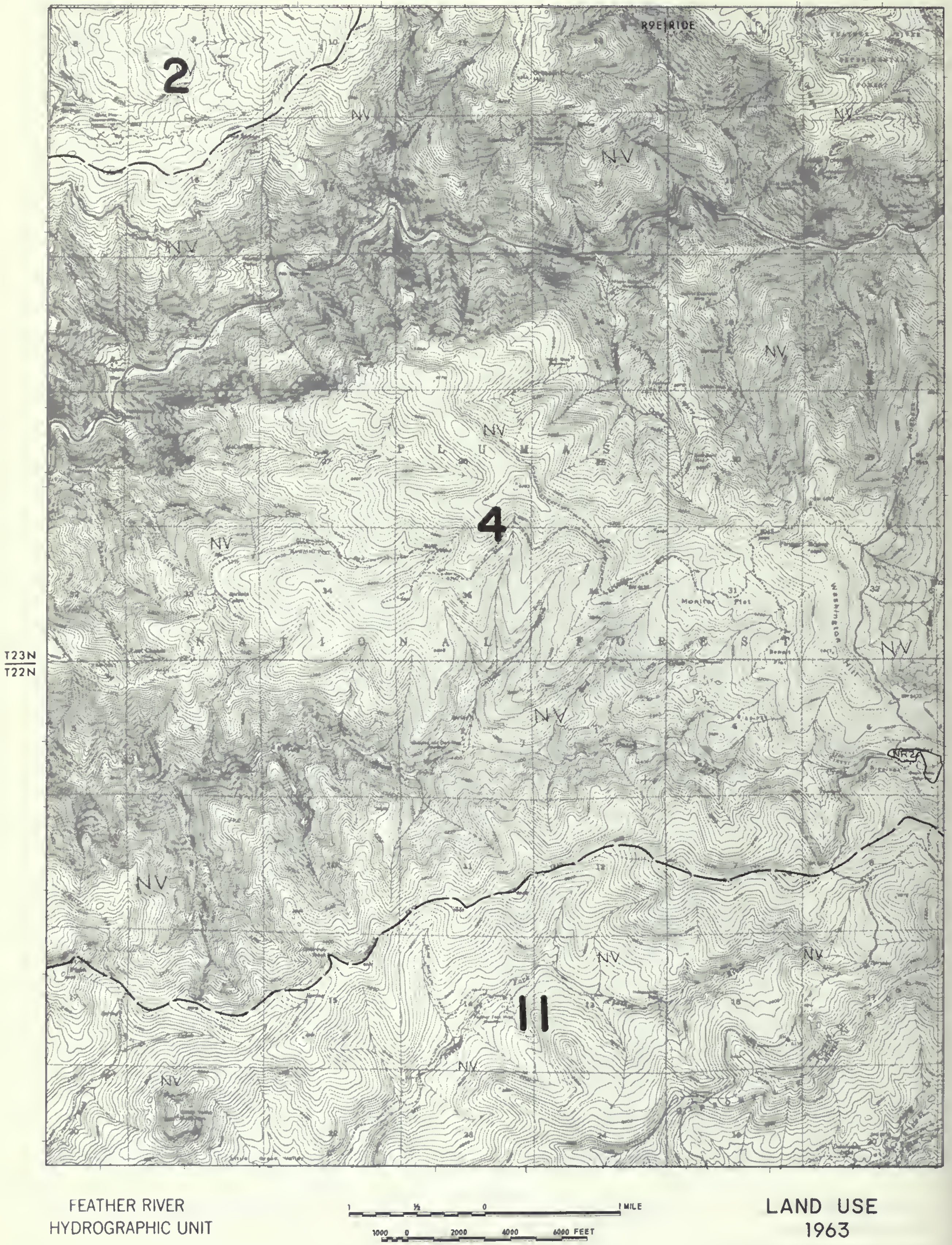


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
BUCKS LAKE QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-29

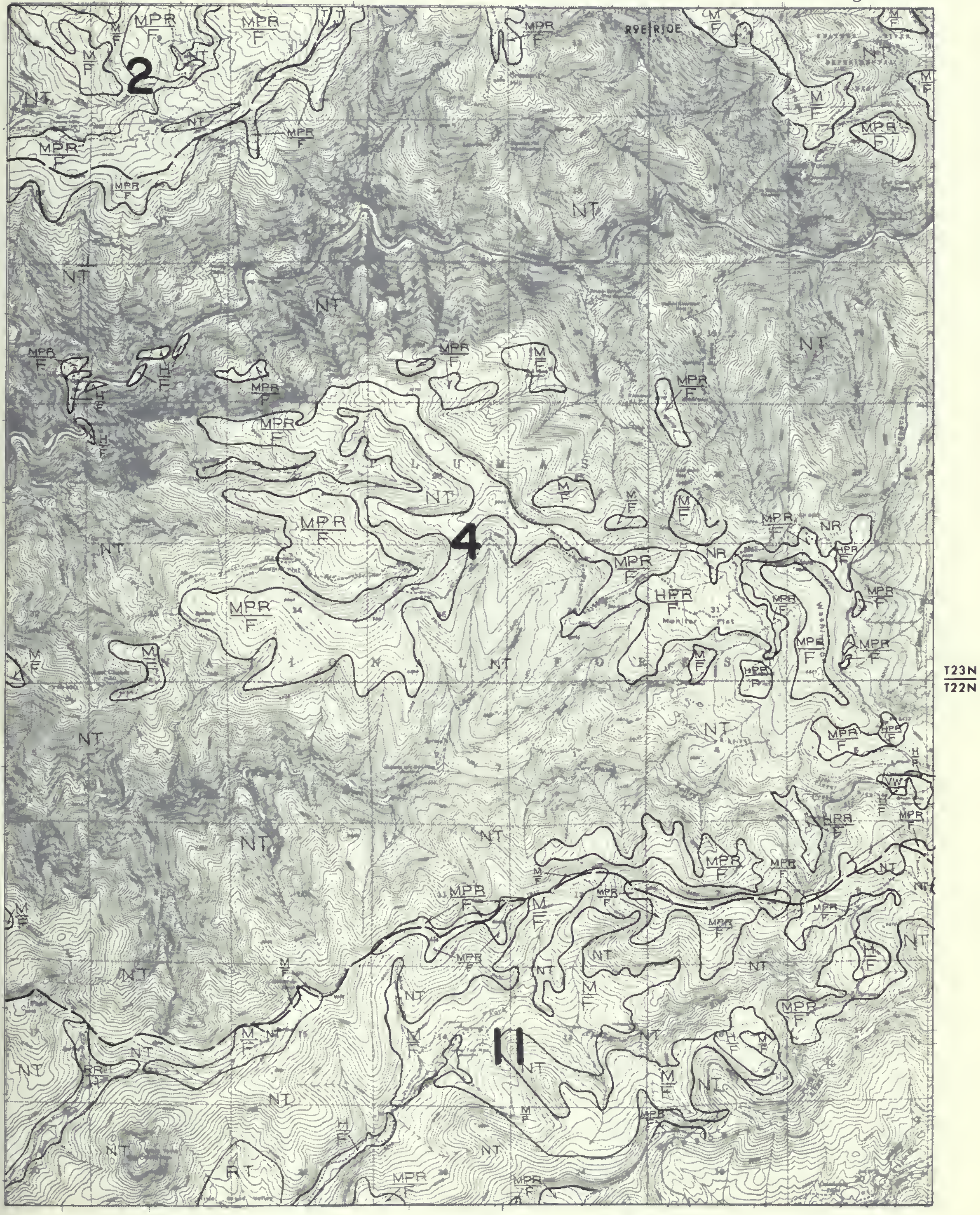


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
ONION VALLEY QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-29



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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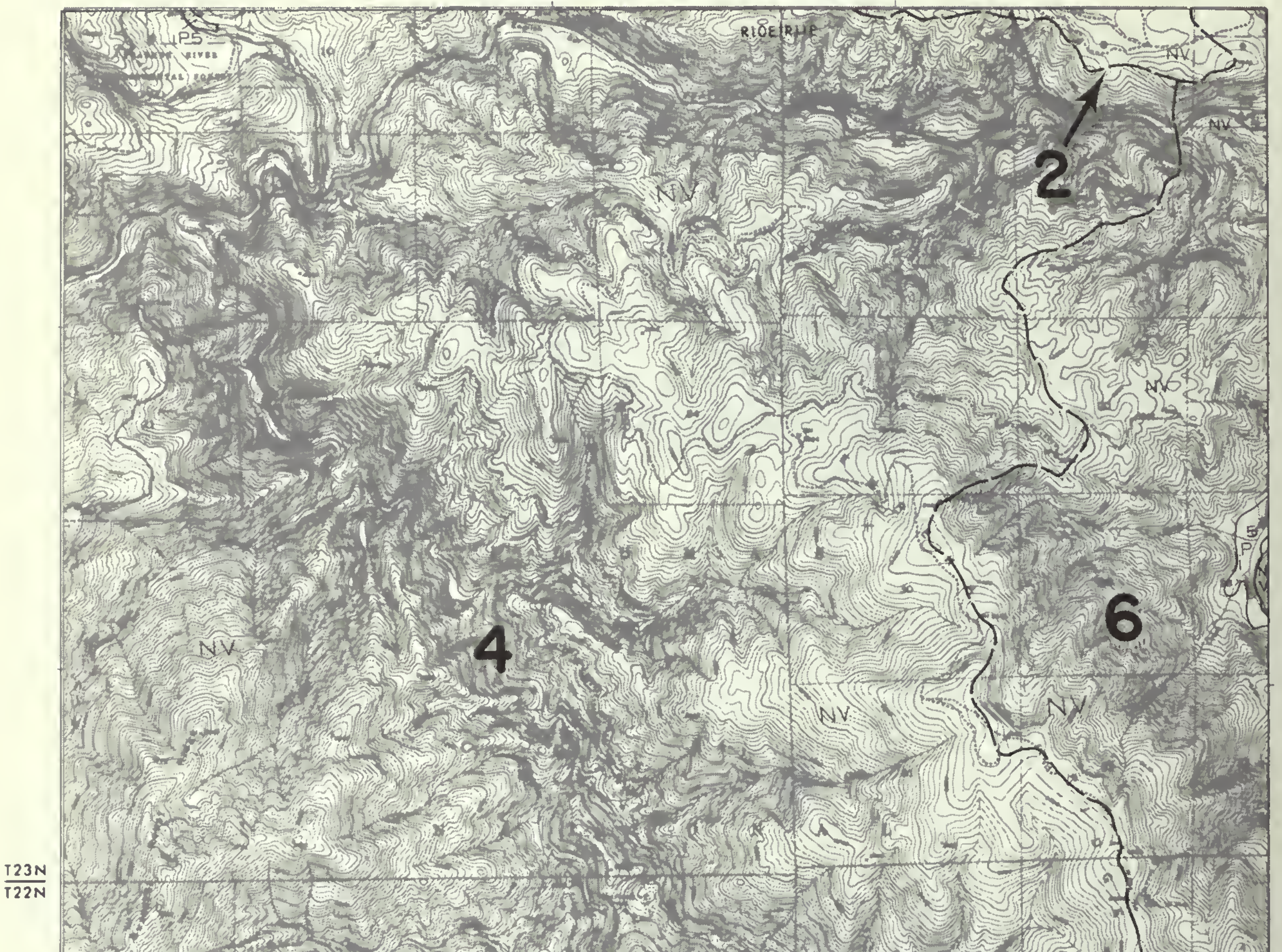
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
ONION VALLEY QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-30



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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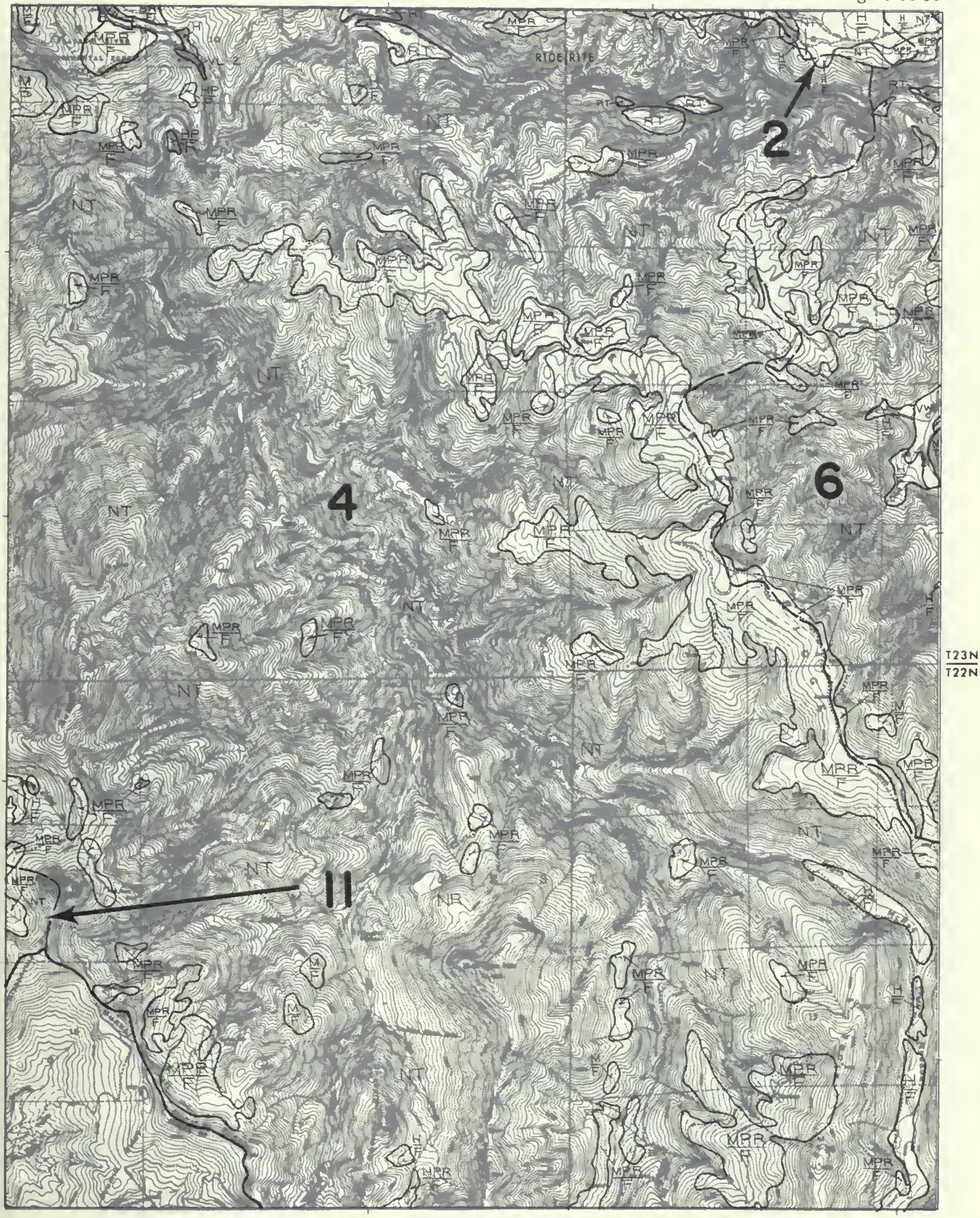
LAND USE
1963
BLUE NOSE MTN QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-30

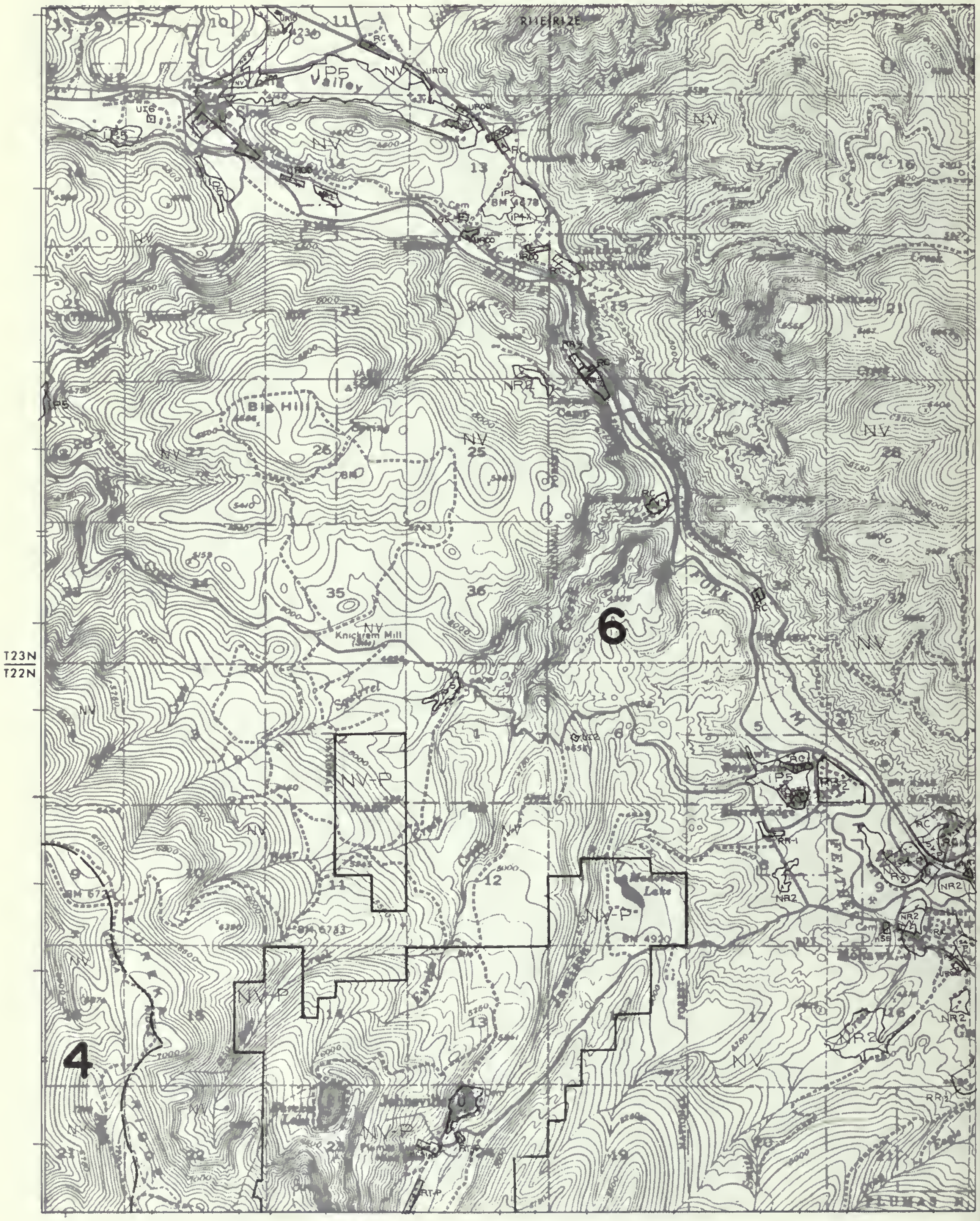


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
BLUE NOSE MTN QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-31



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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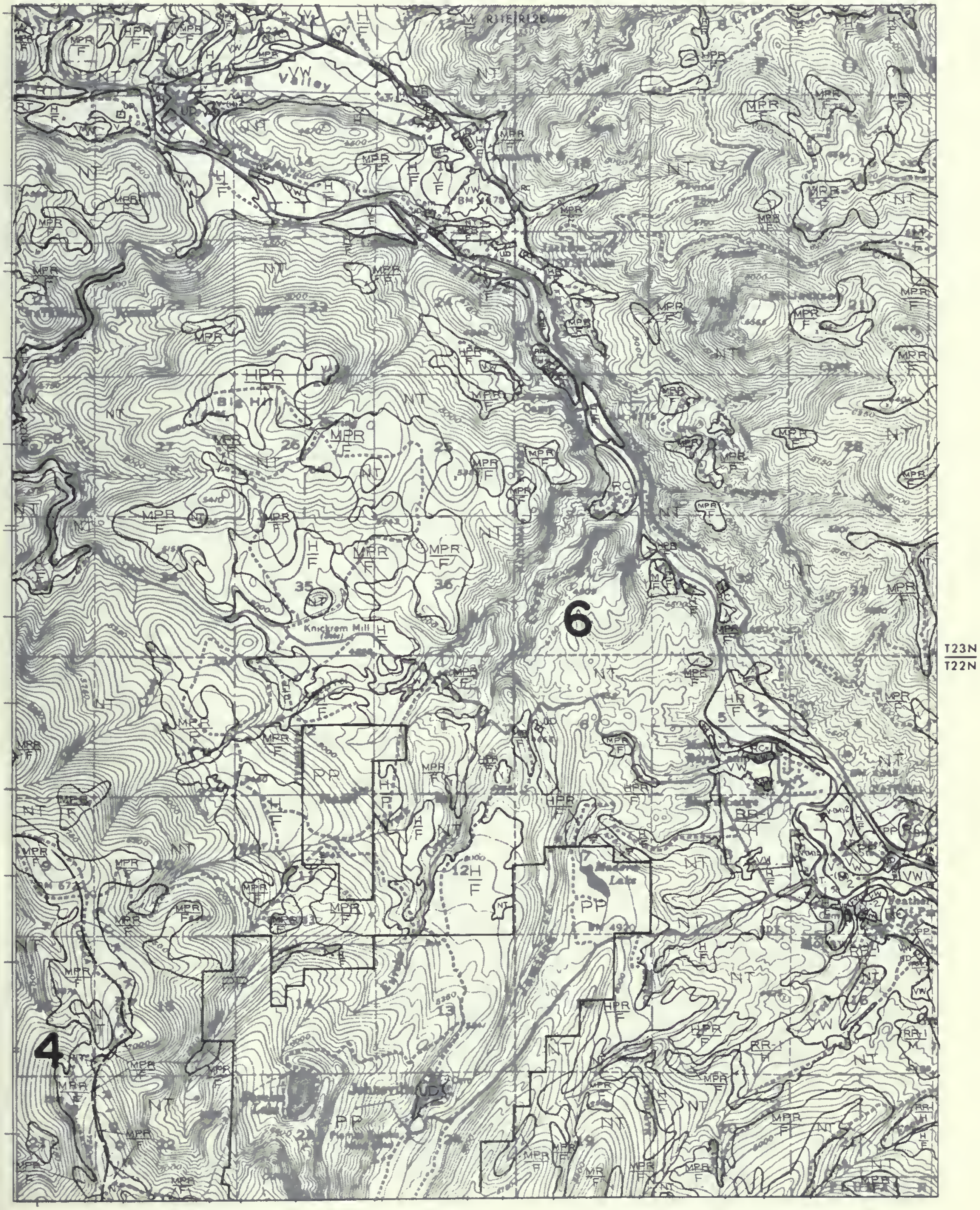
1000 0 2000 4000 6000 FEET

LAND USE
1963
BLAIRSDEN QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-31

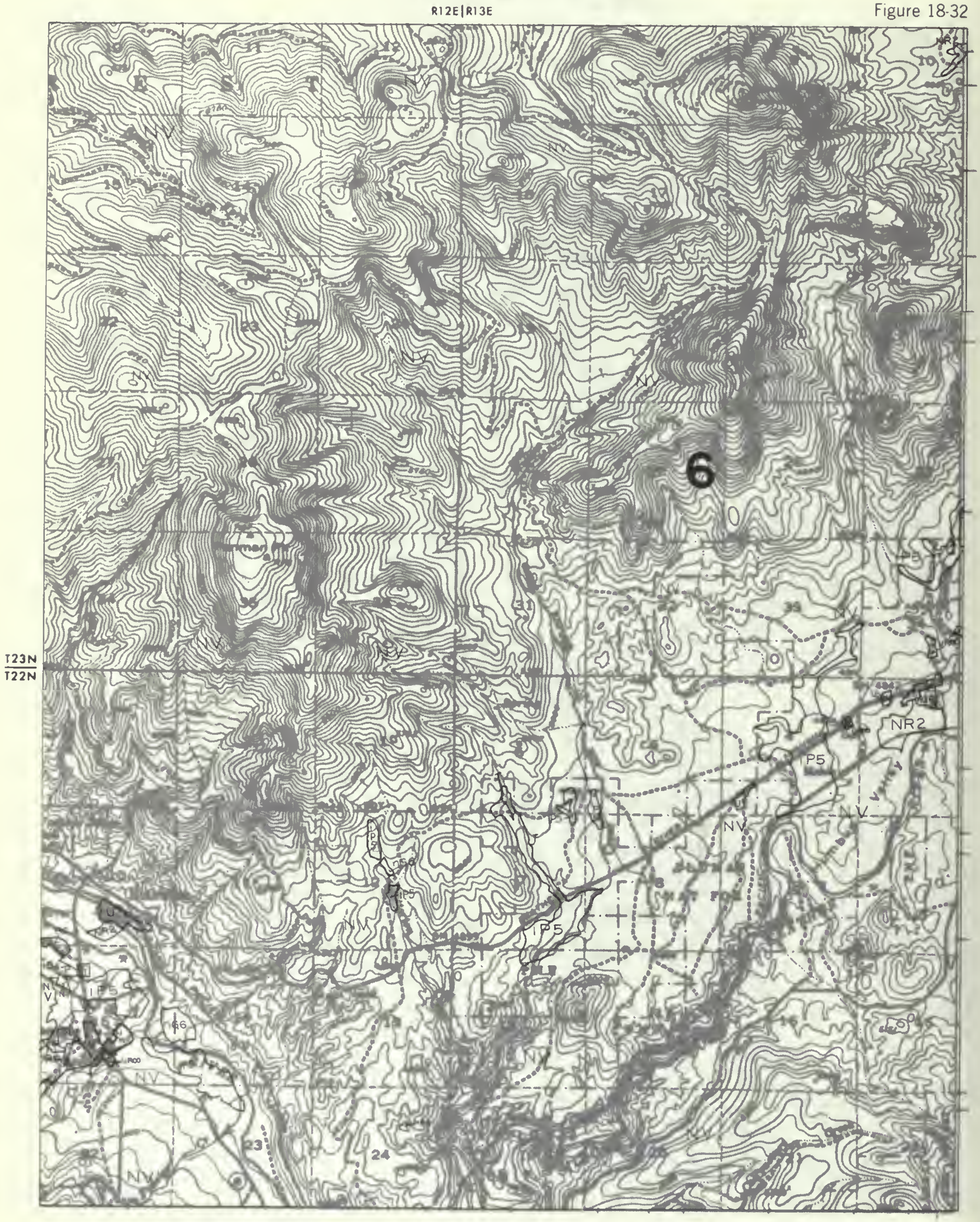


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
BLAIRSDEN QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-32

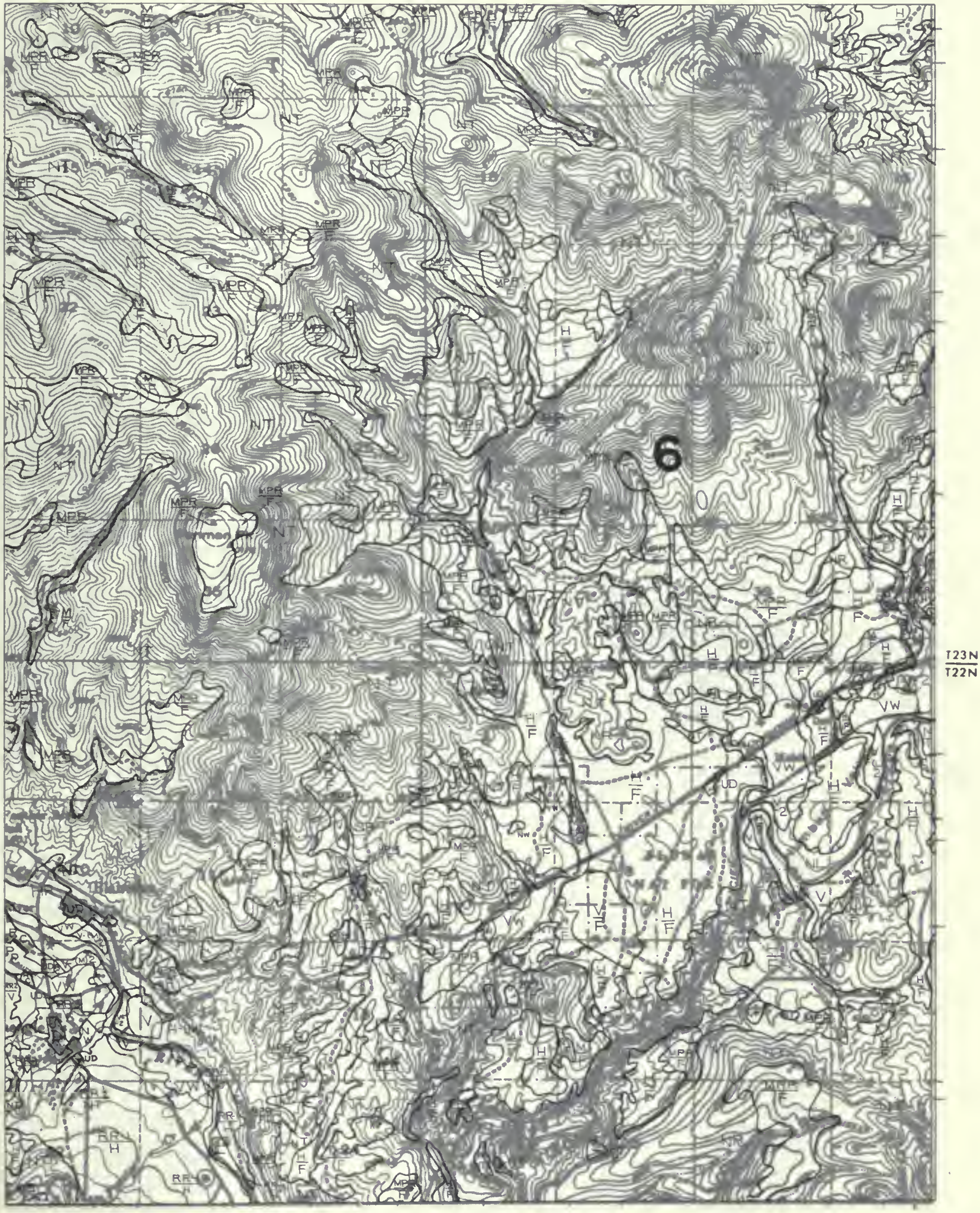


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
BLAIRSDEN QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-32



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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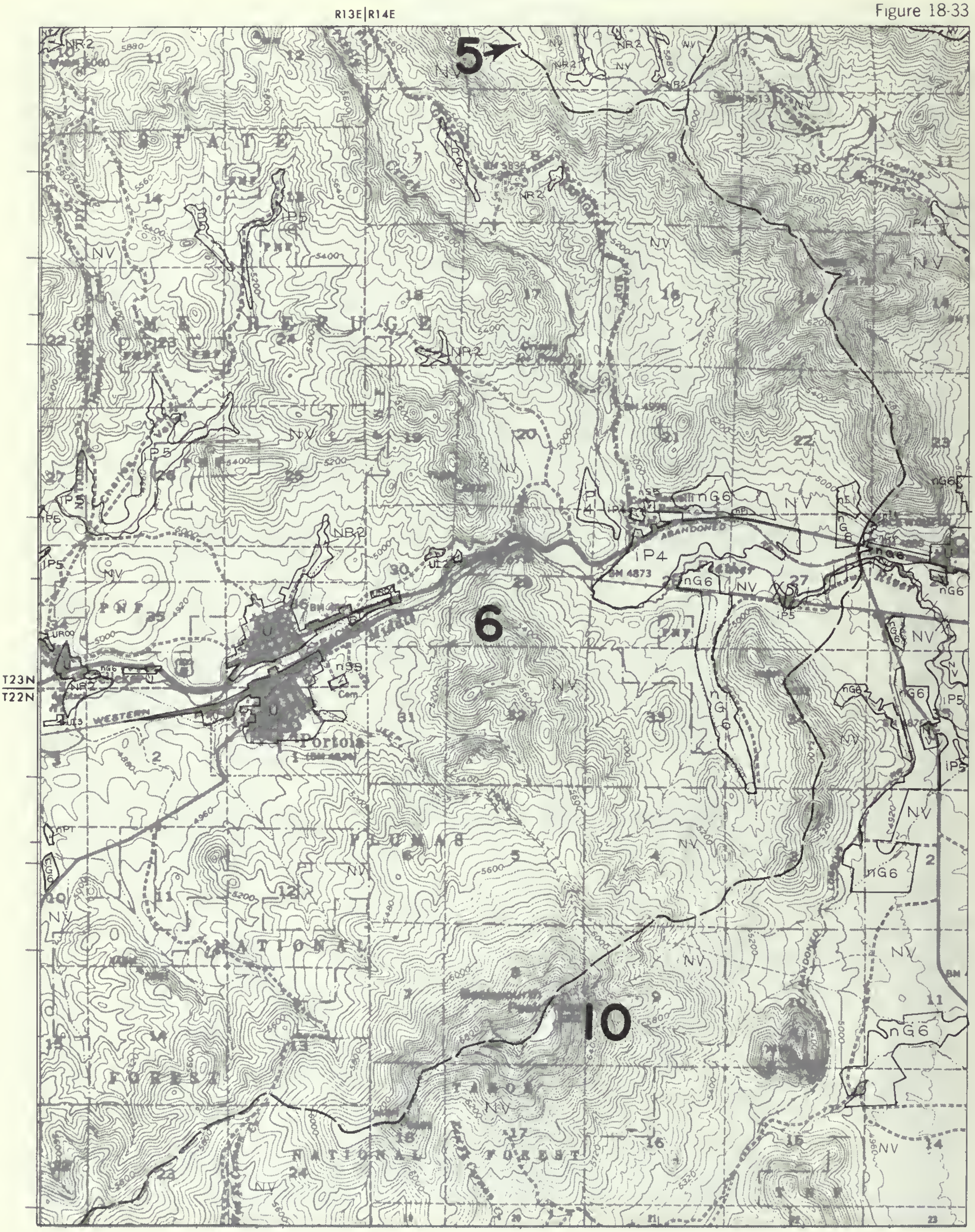
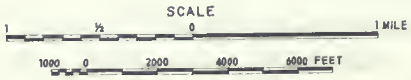
CLASSIFICATION OF LANDS
1963
BLAIRSDEN QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-33



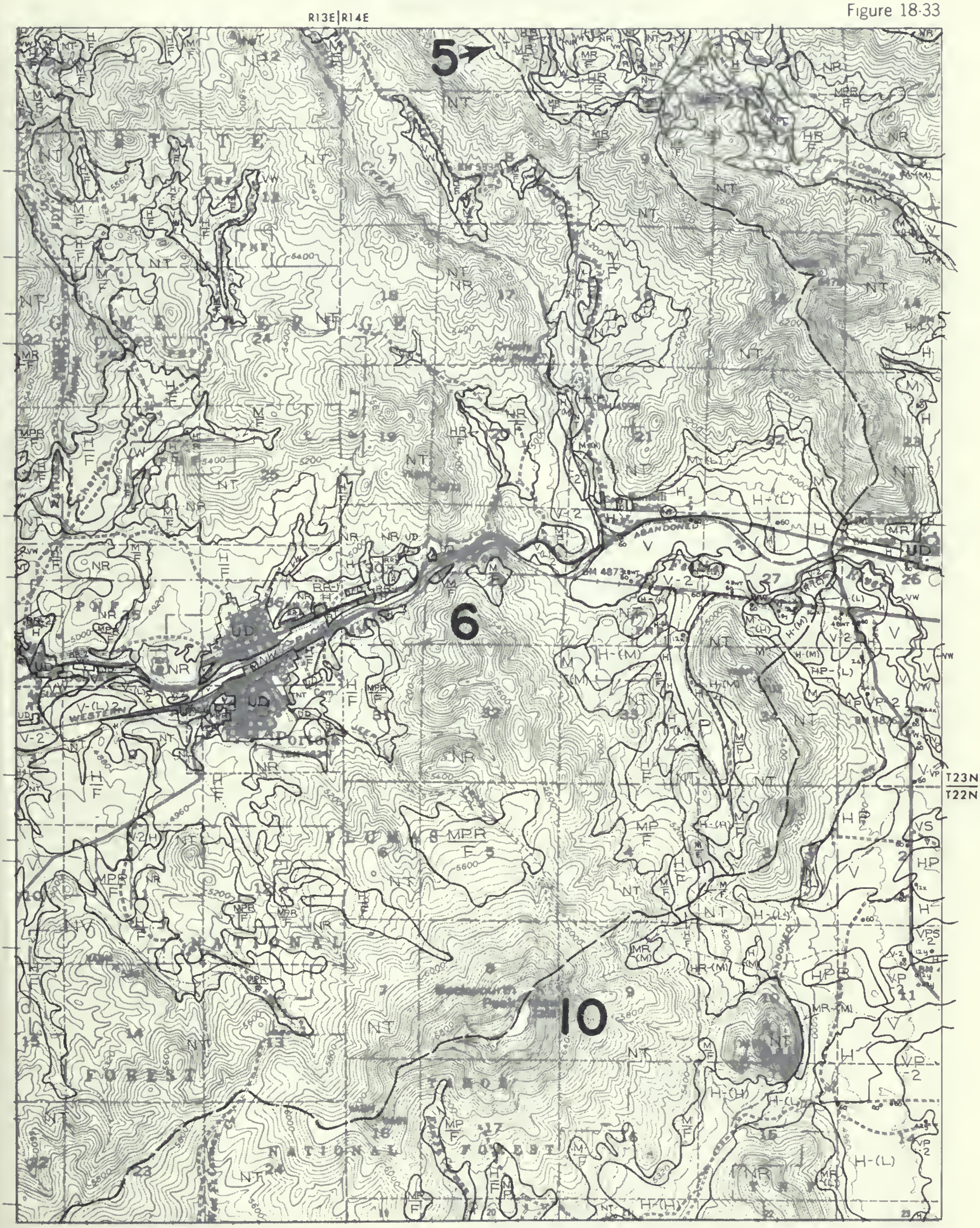
FEATHER RIVER
HYDROGRAPHIC UNIT



LAND USE
1963
PORTOLA QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-33



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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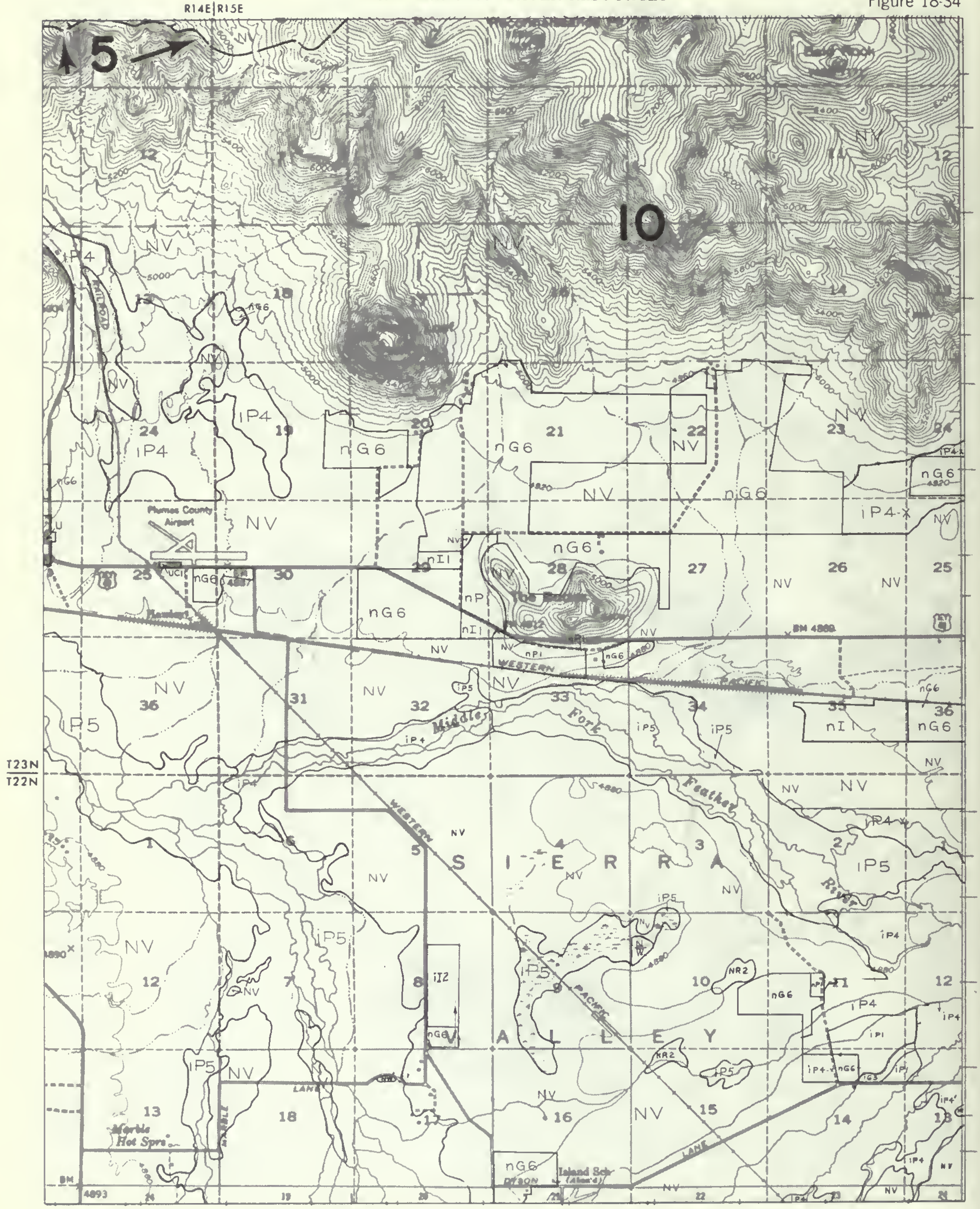
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
PORTOLA QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-34



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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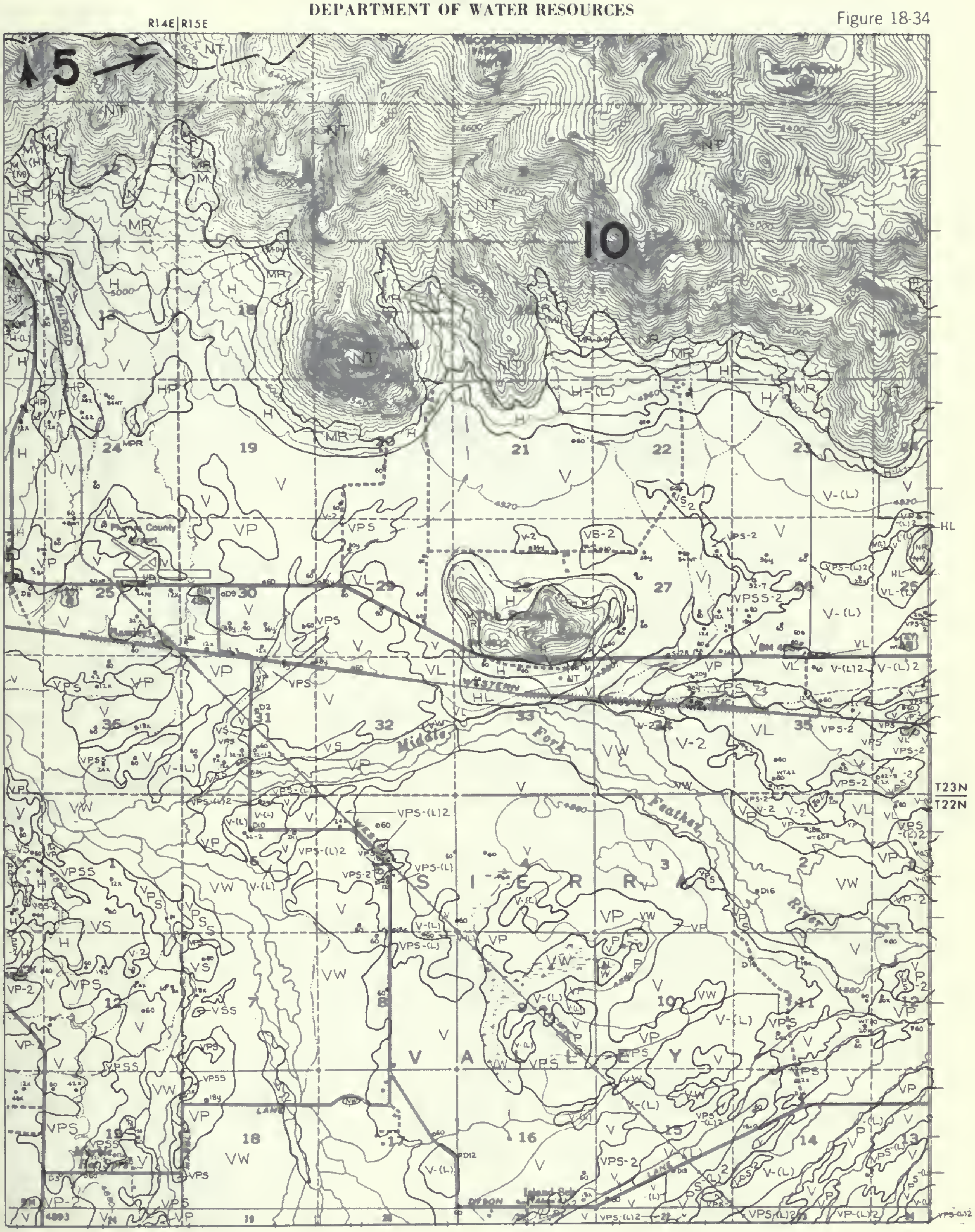
LAND USE
1963
PORTOLA QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-34



SCALE
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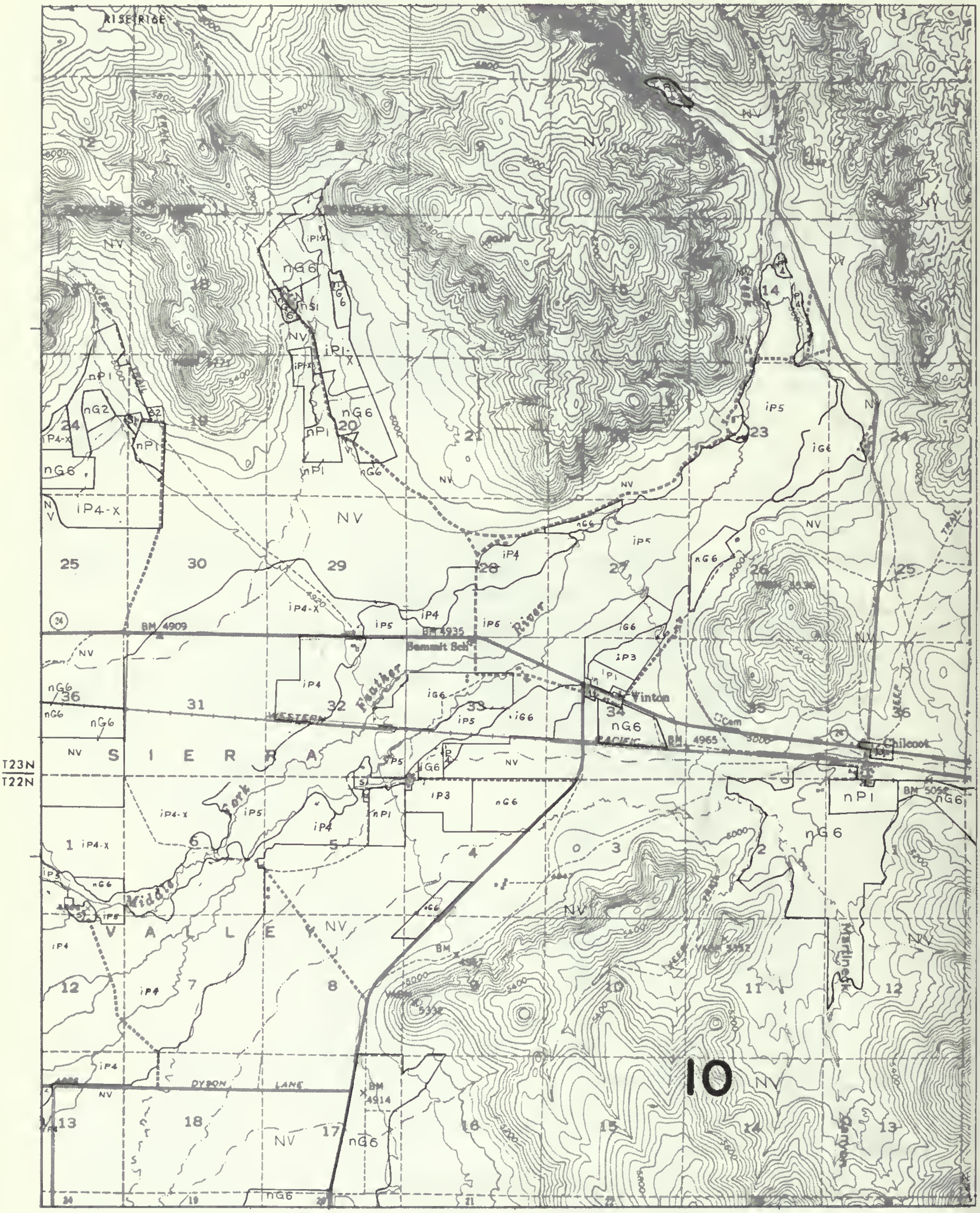
1000 0 2000 4000 6000 FEET

FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
PORTOLA QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-35



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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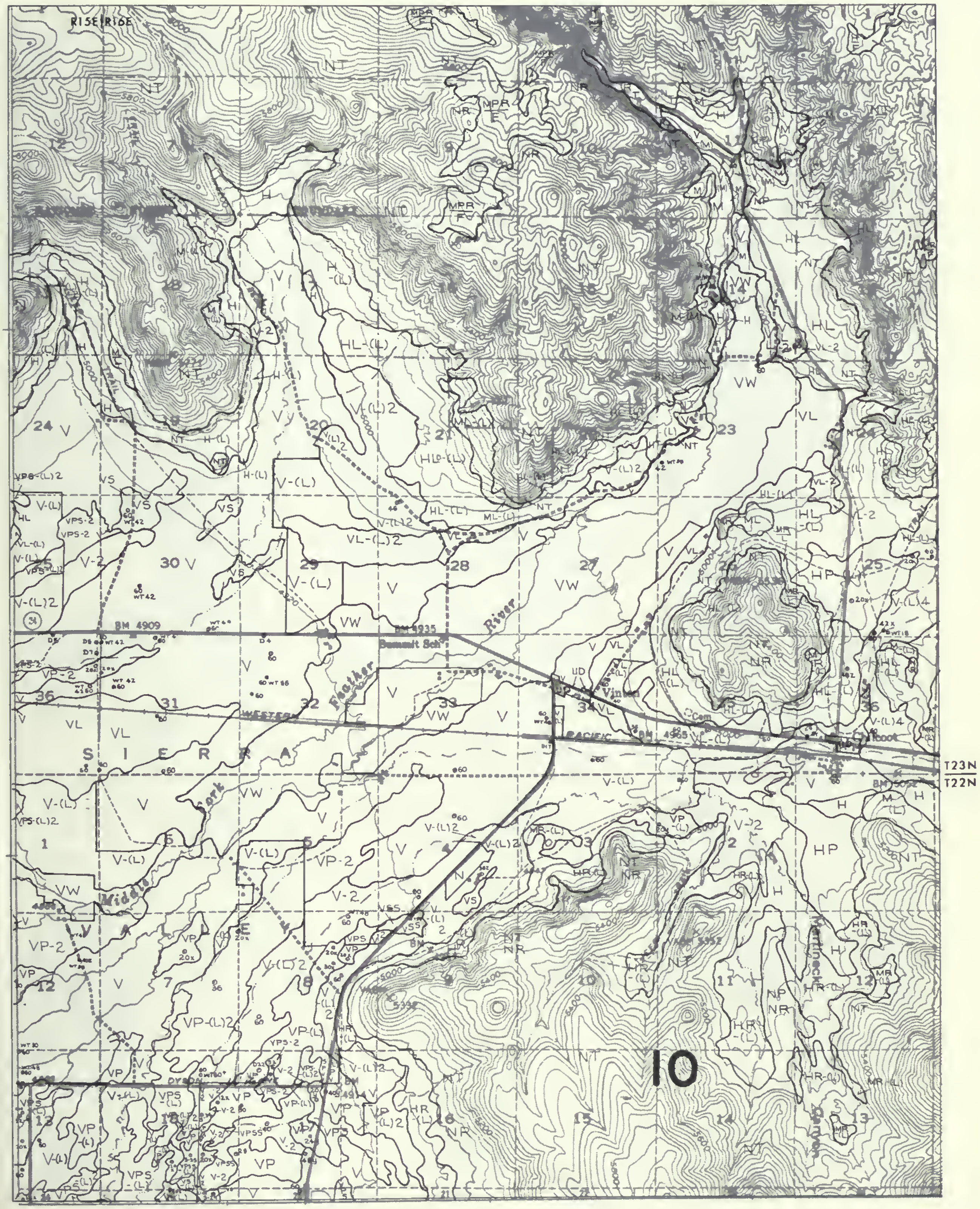
LAND USE
1963
CHILCOOT QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-35

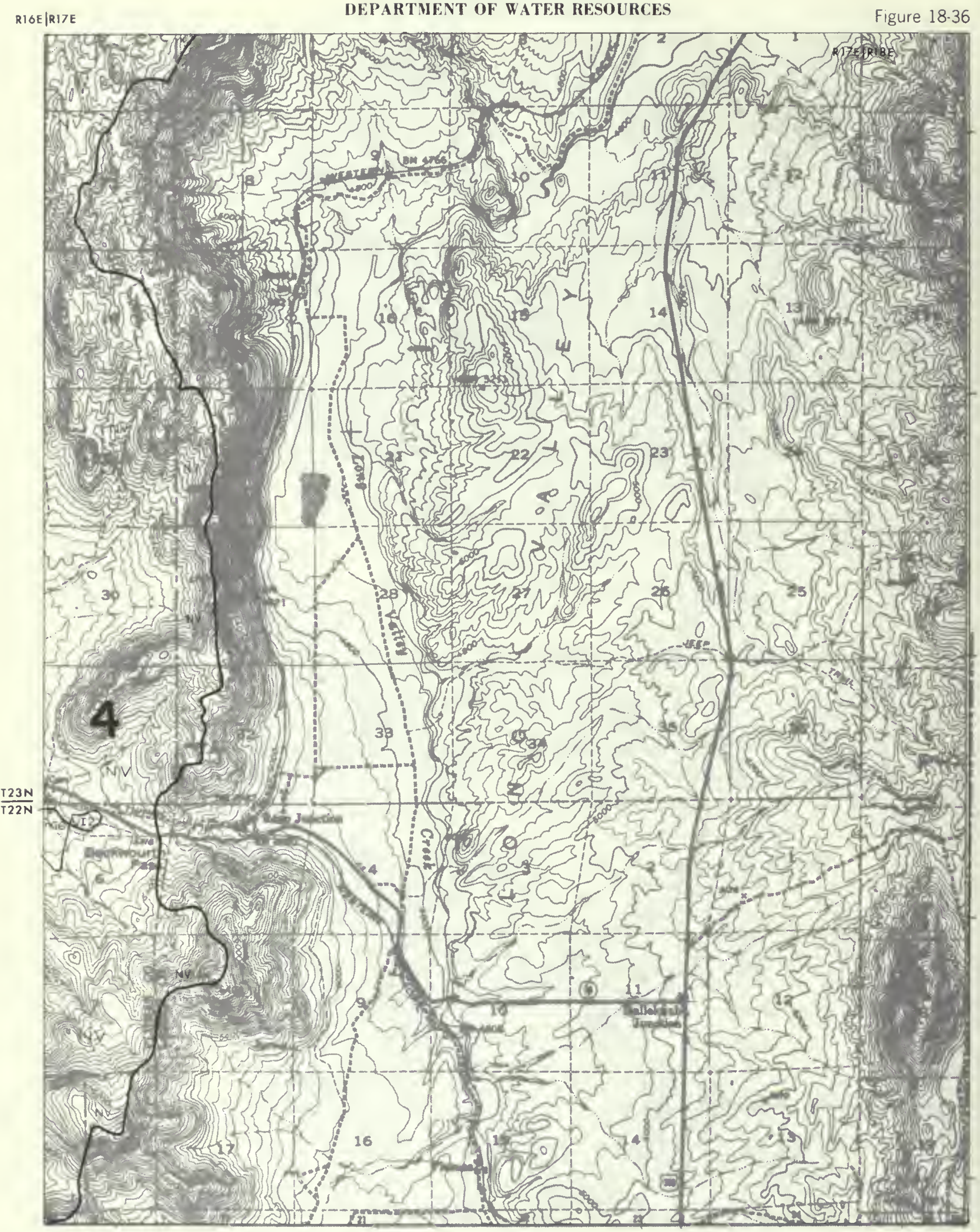


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
CHILCOOT QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-36



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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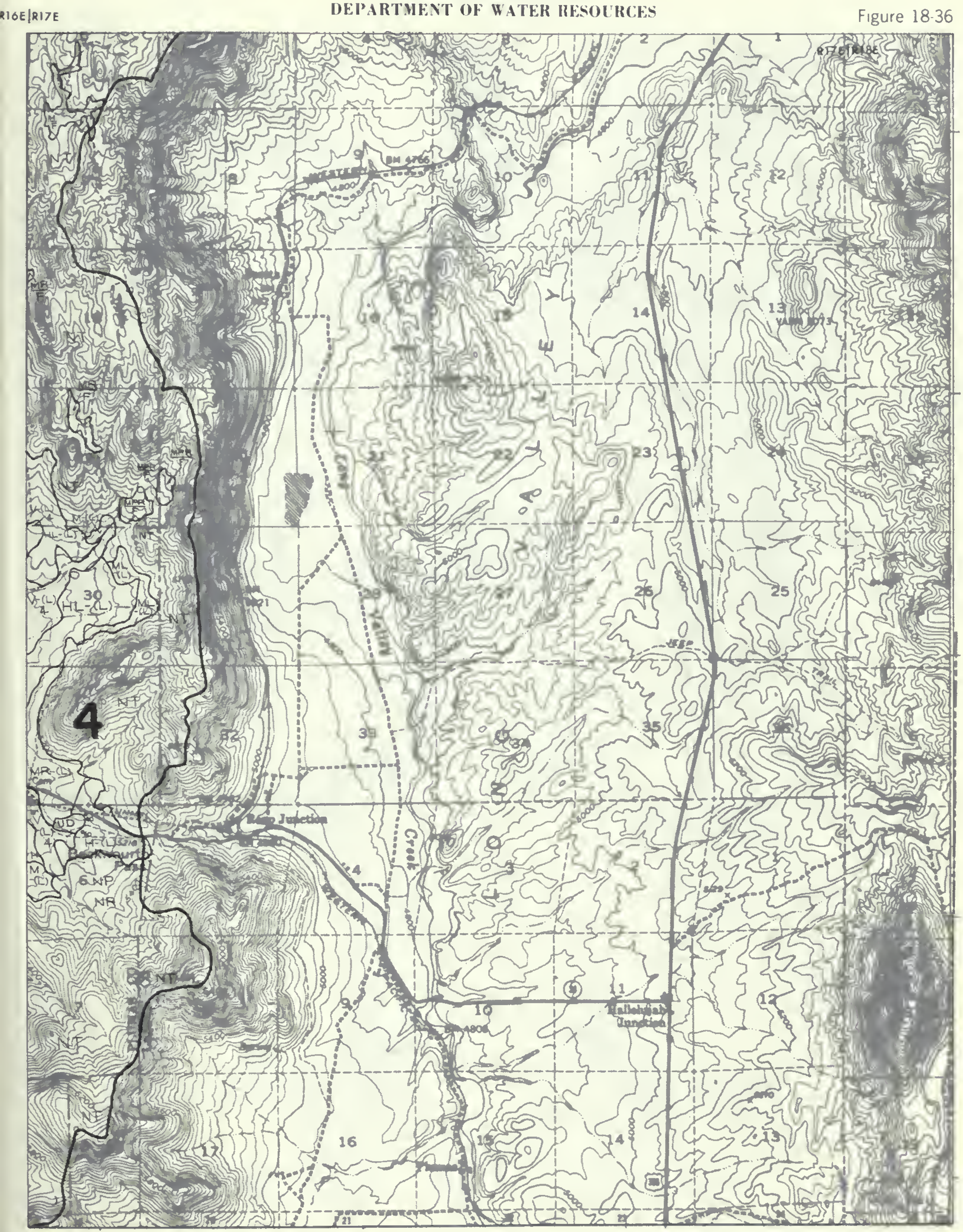
LAND USE
1963
CHILCOOT QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 18-36

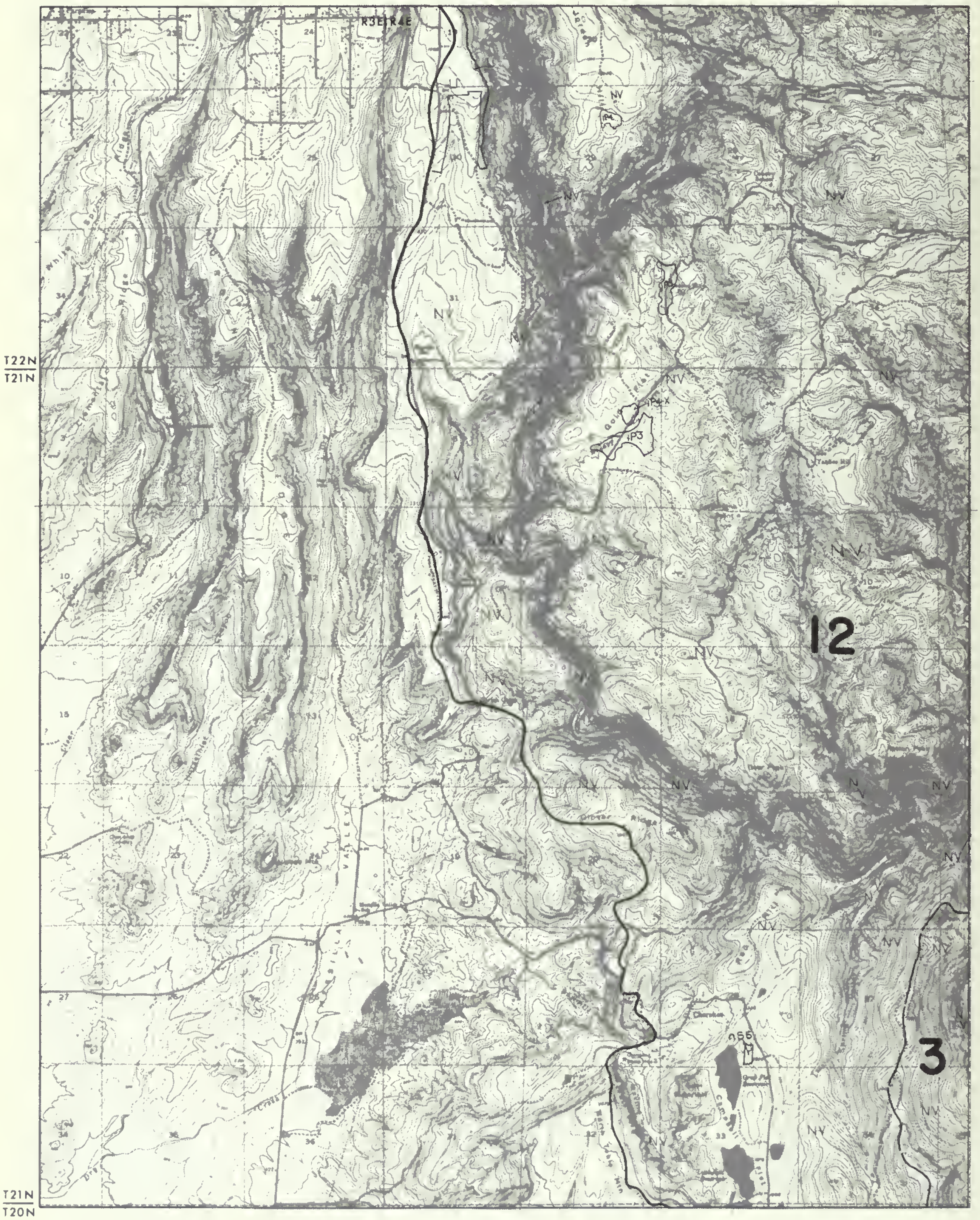


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
CHILCOOT QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-24

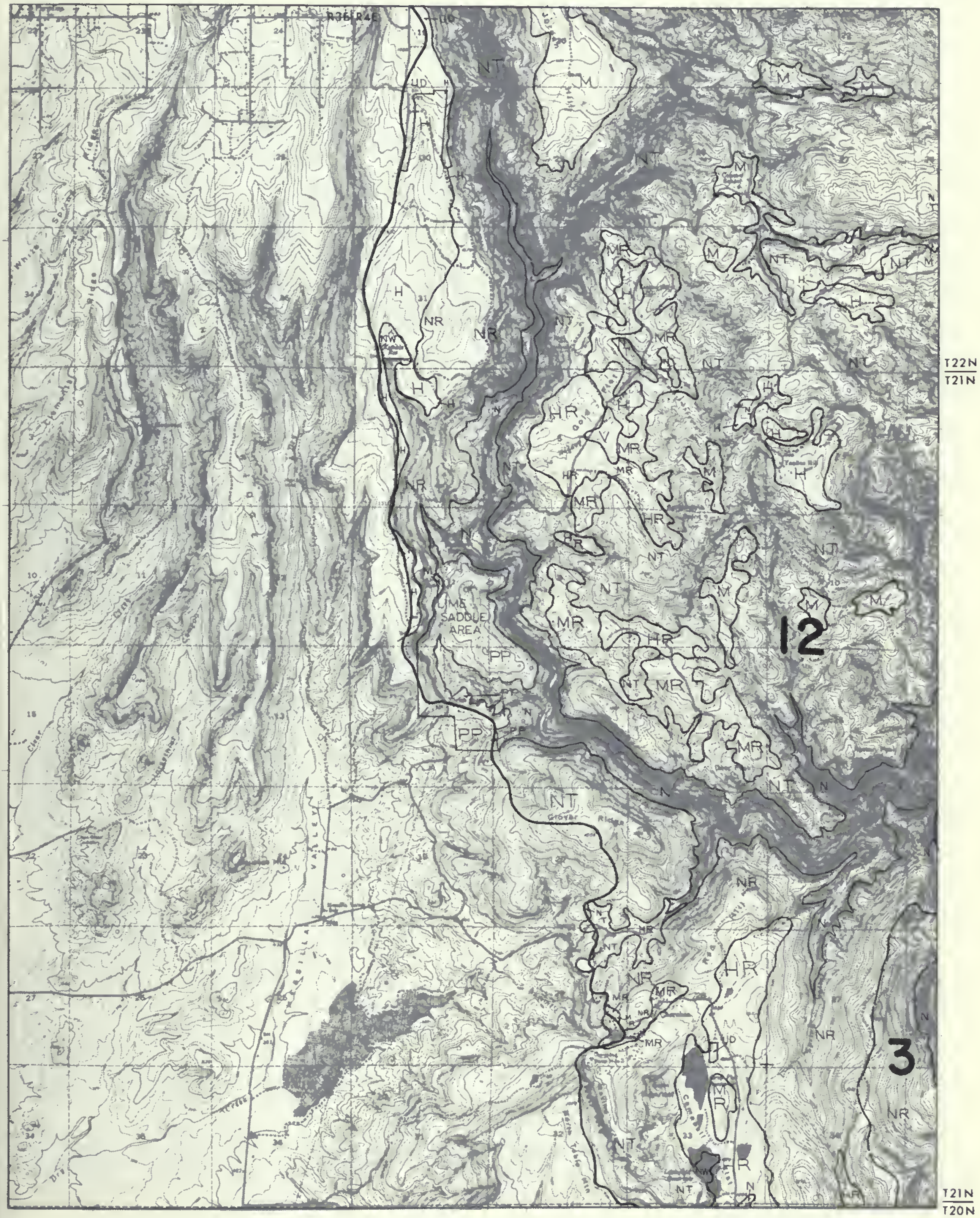


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
CHEROKEE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-24



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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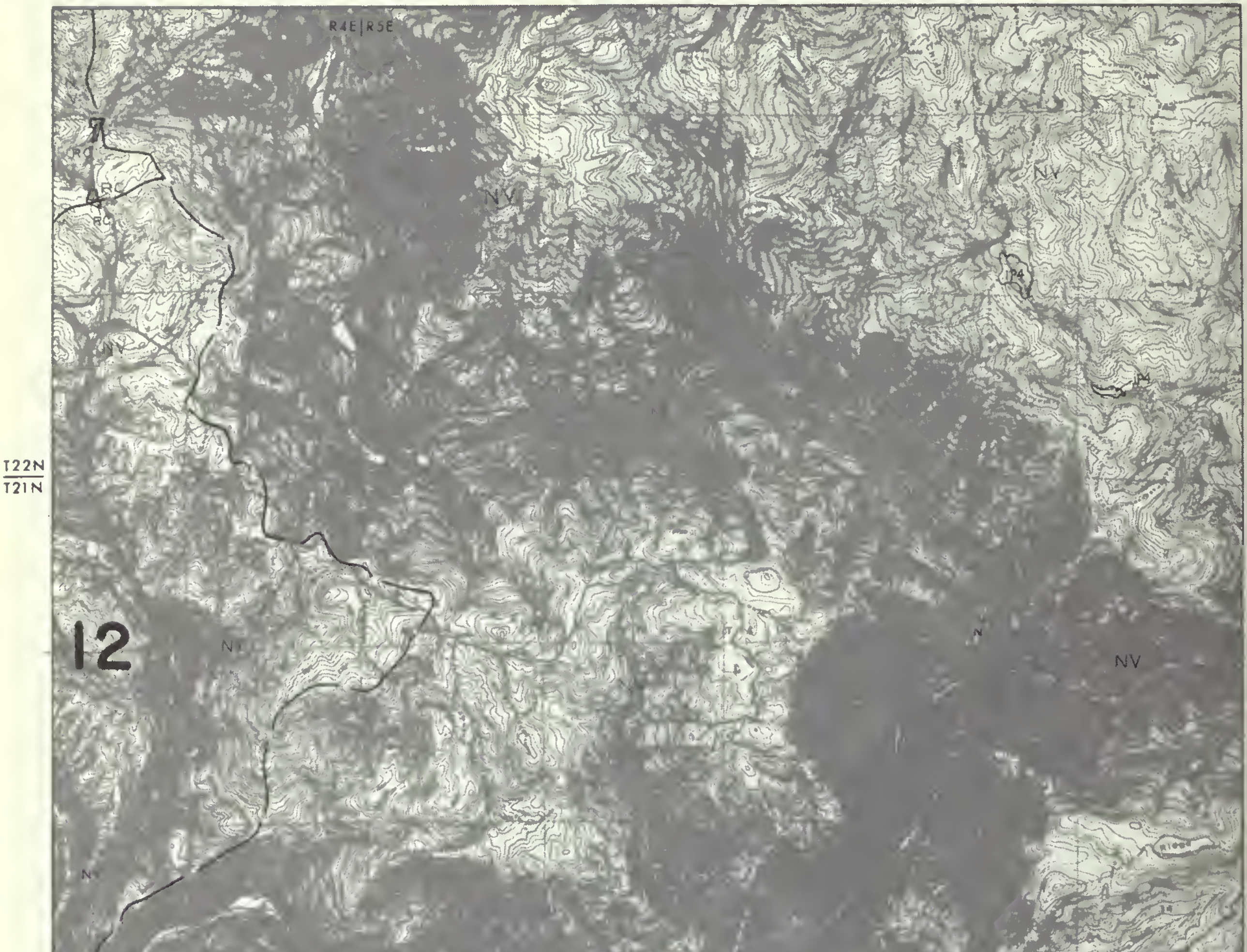
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
CHEROKEE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-25

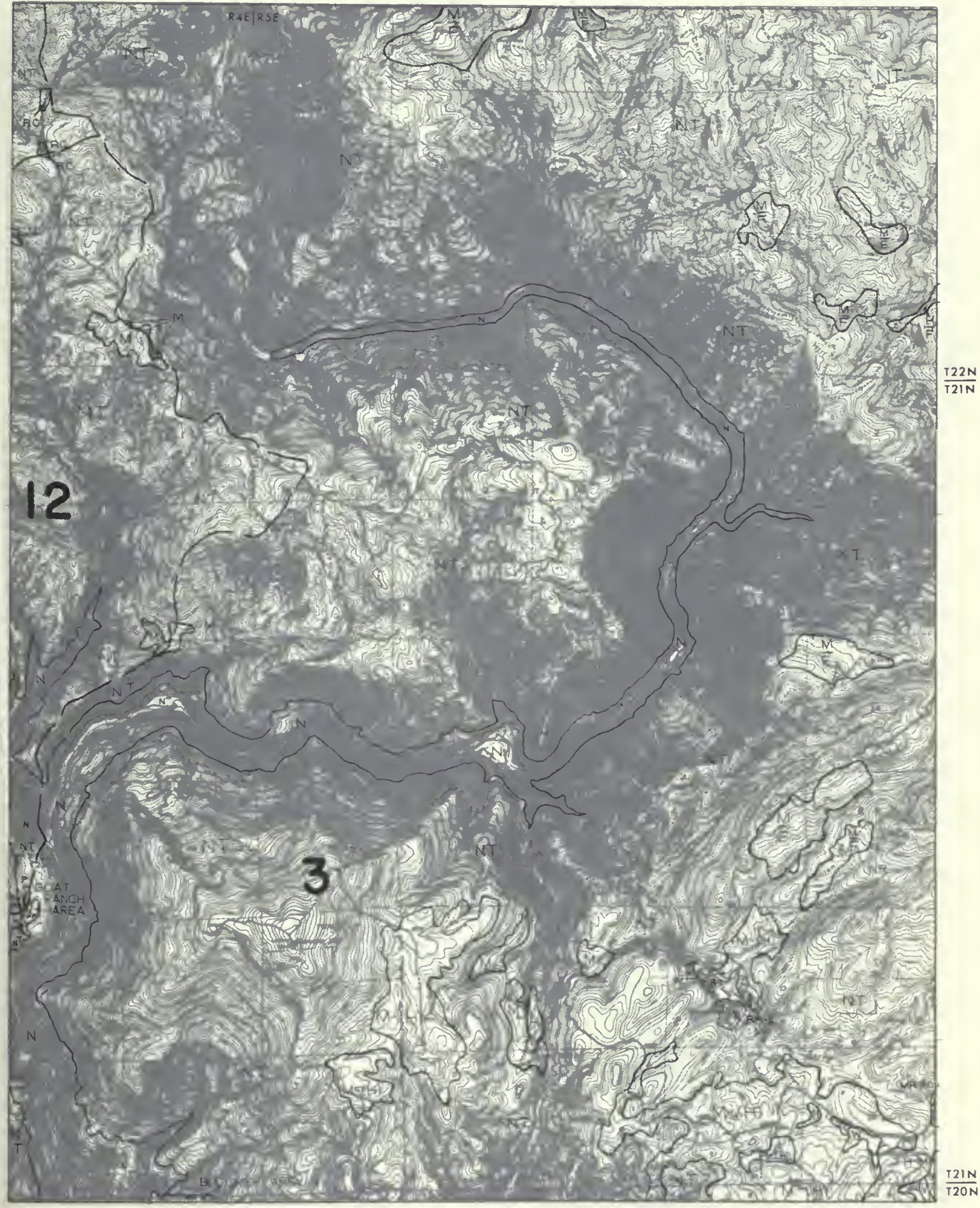


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
LAS PLUMAS QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-25



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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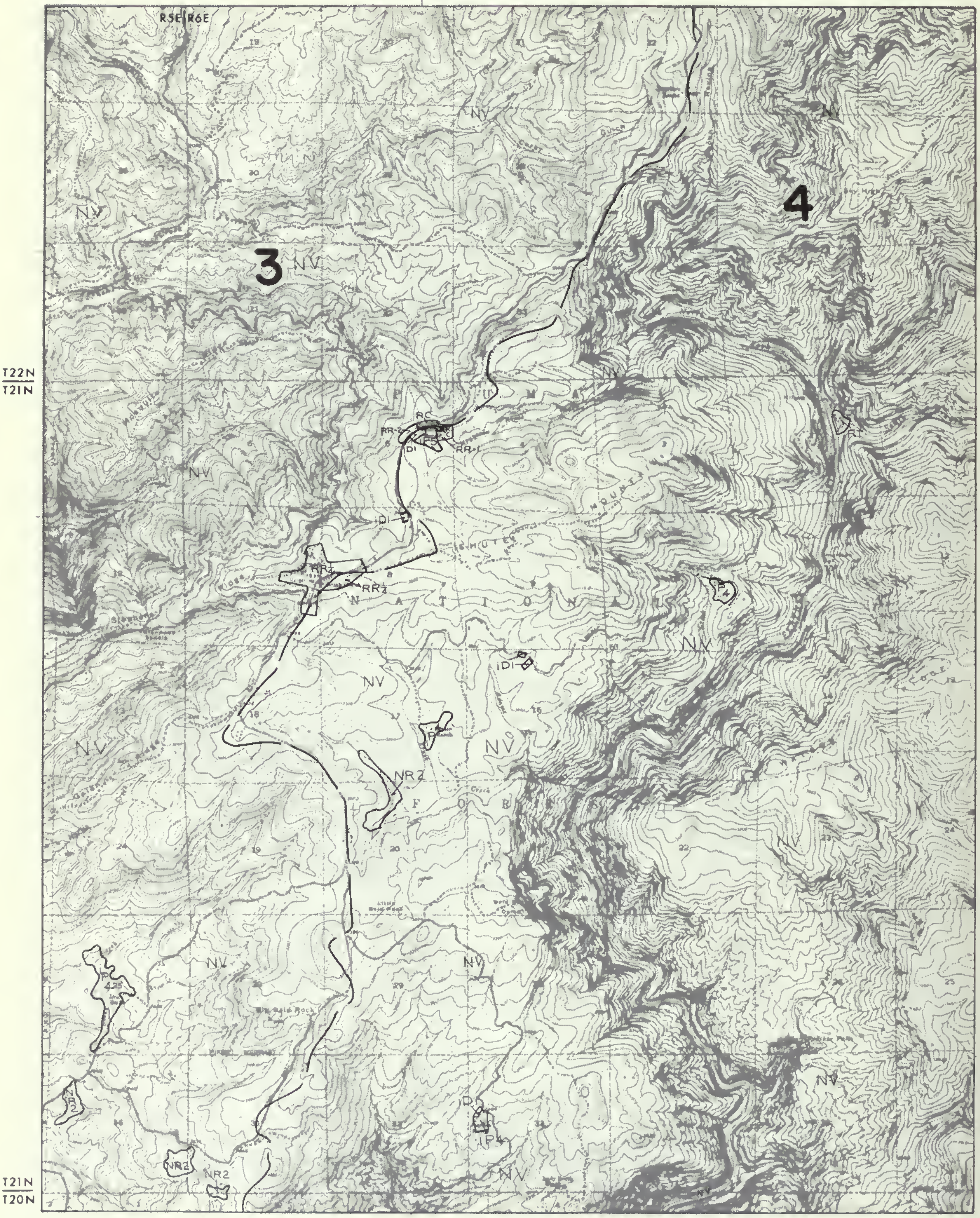
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
LAS PLUMAS QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-26

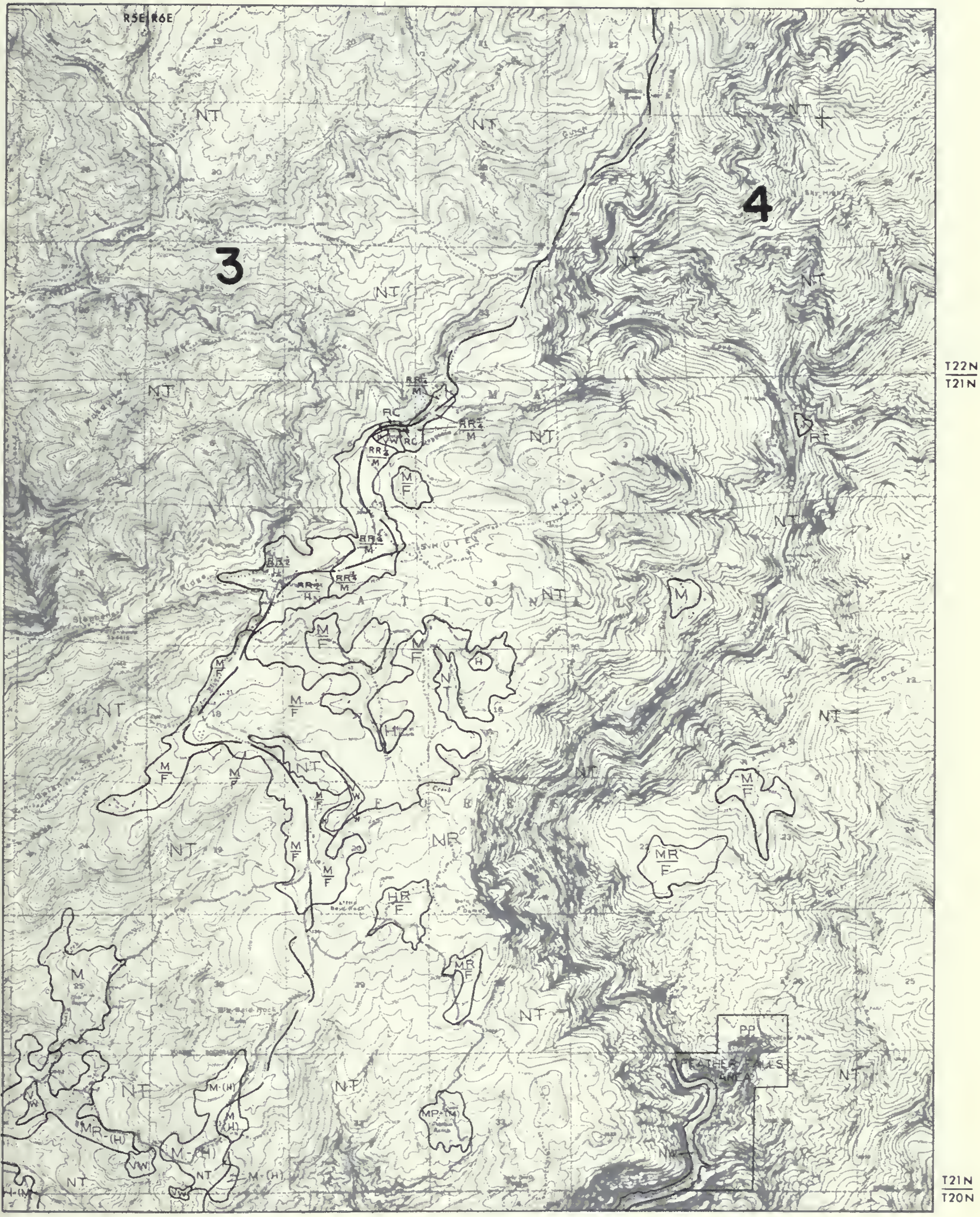


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
BRUSH CREEK QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-26

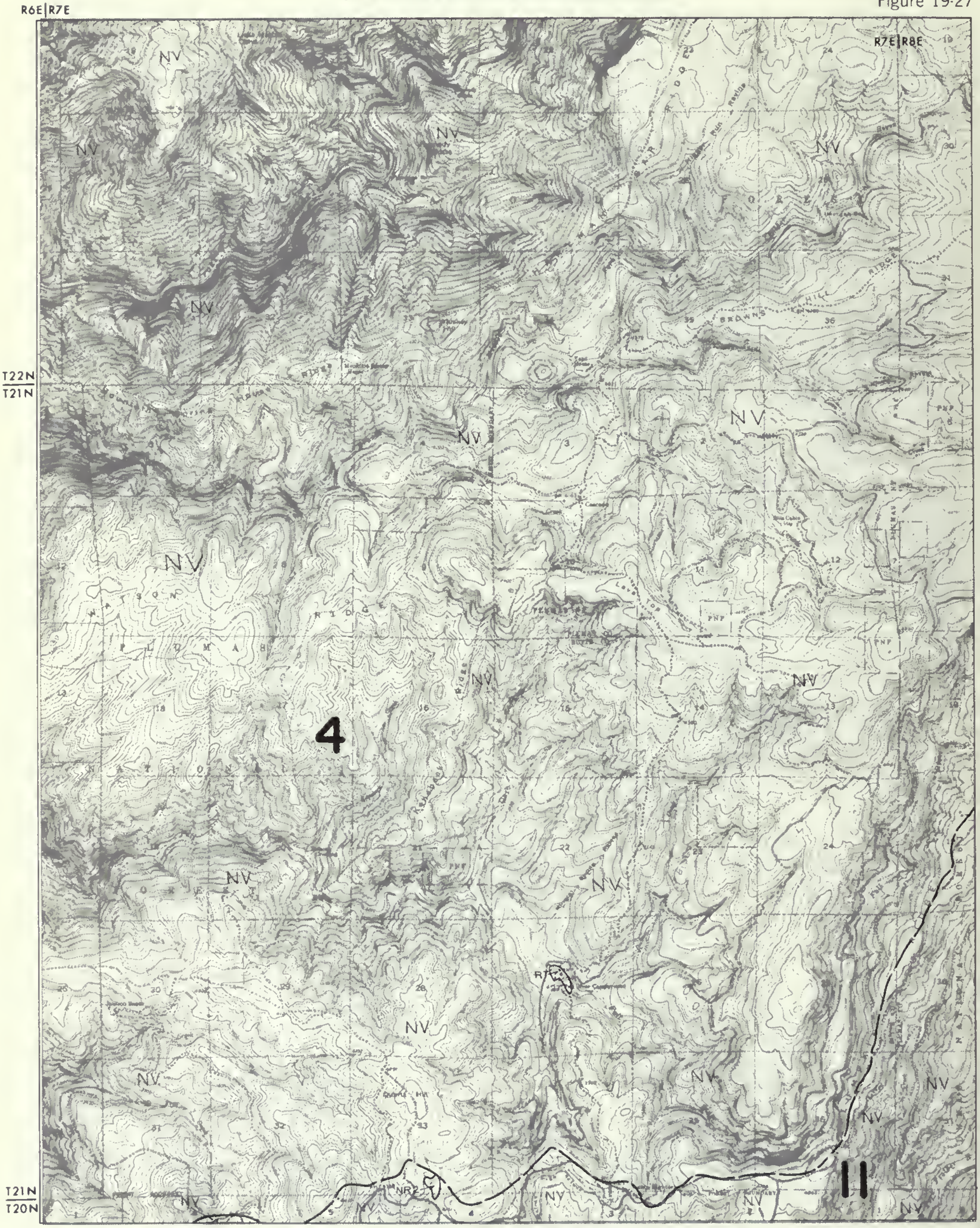


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
BRUSH CREEK QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-27



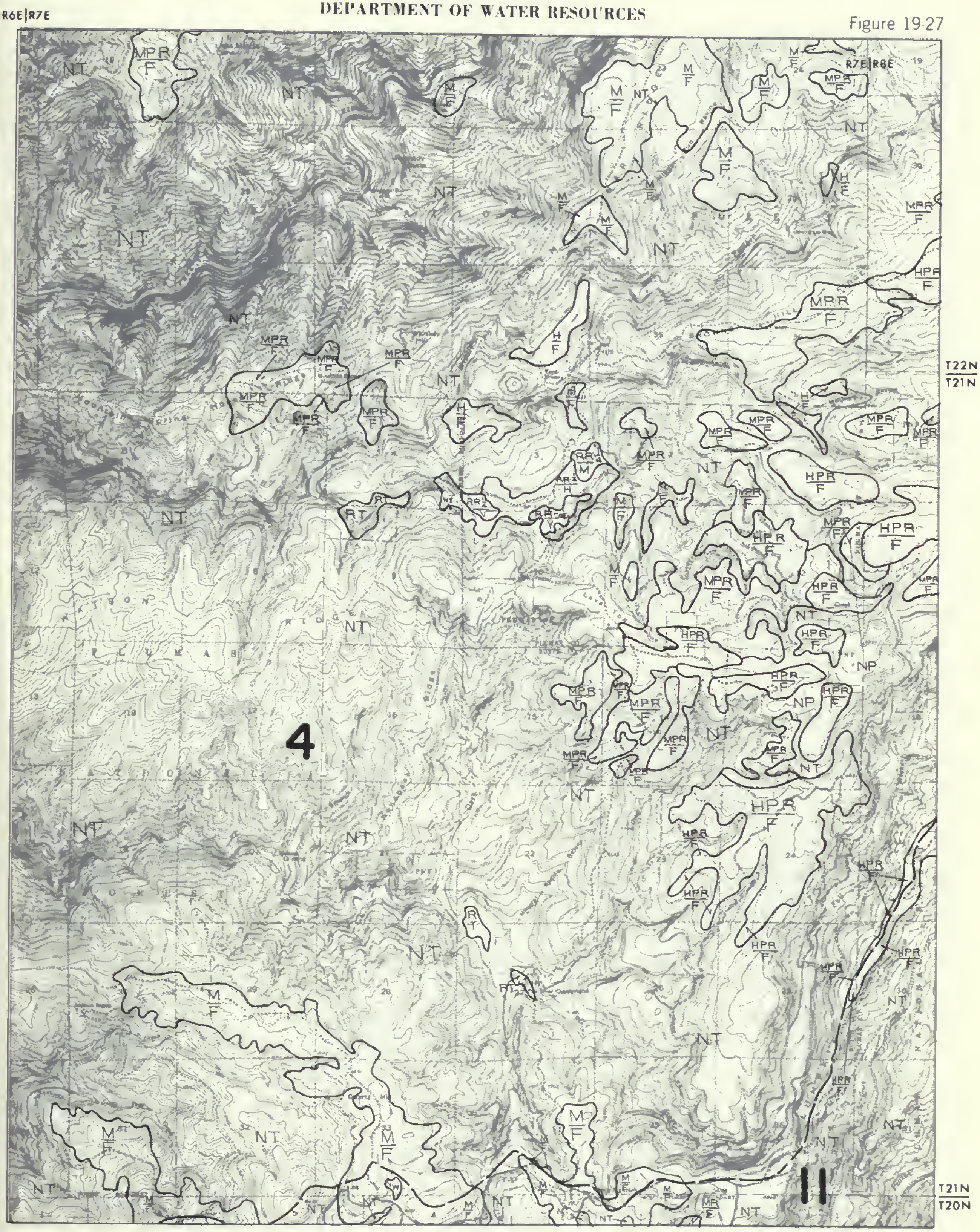
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
CASCADE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-27

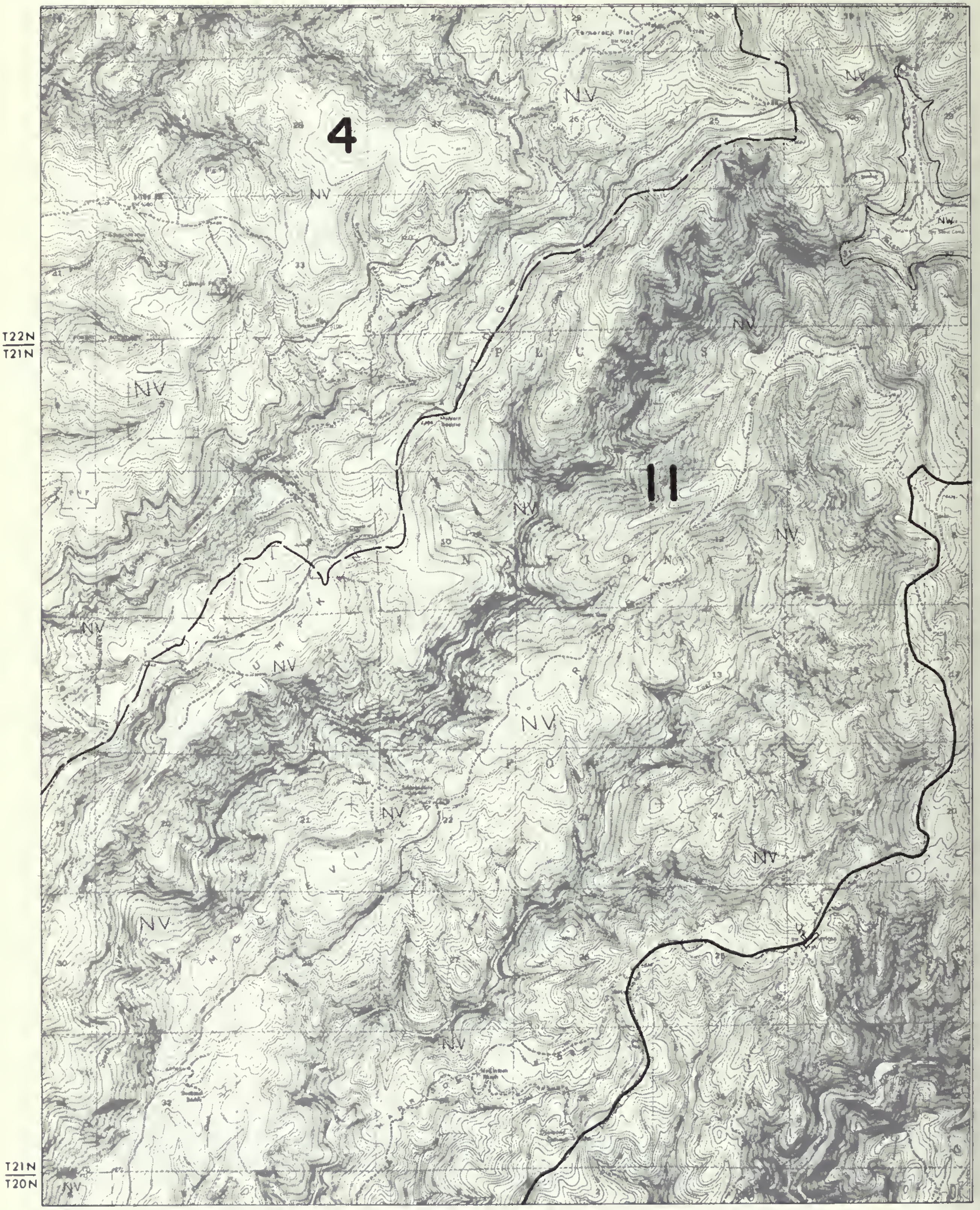


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
CASCADE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-28

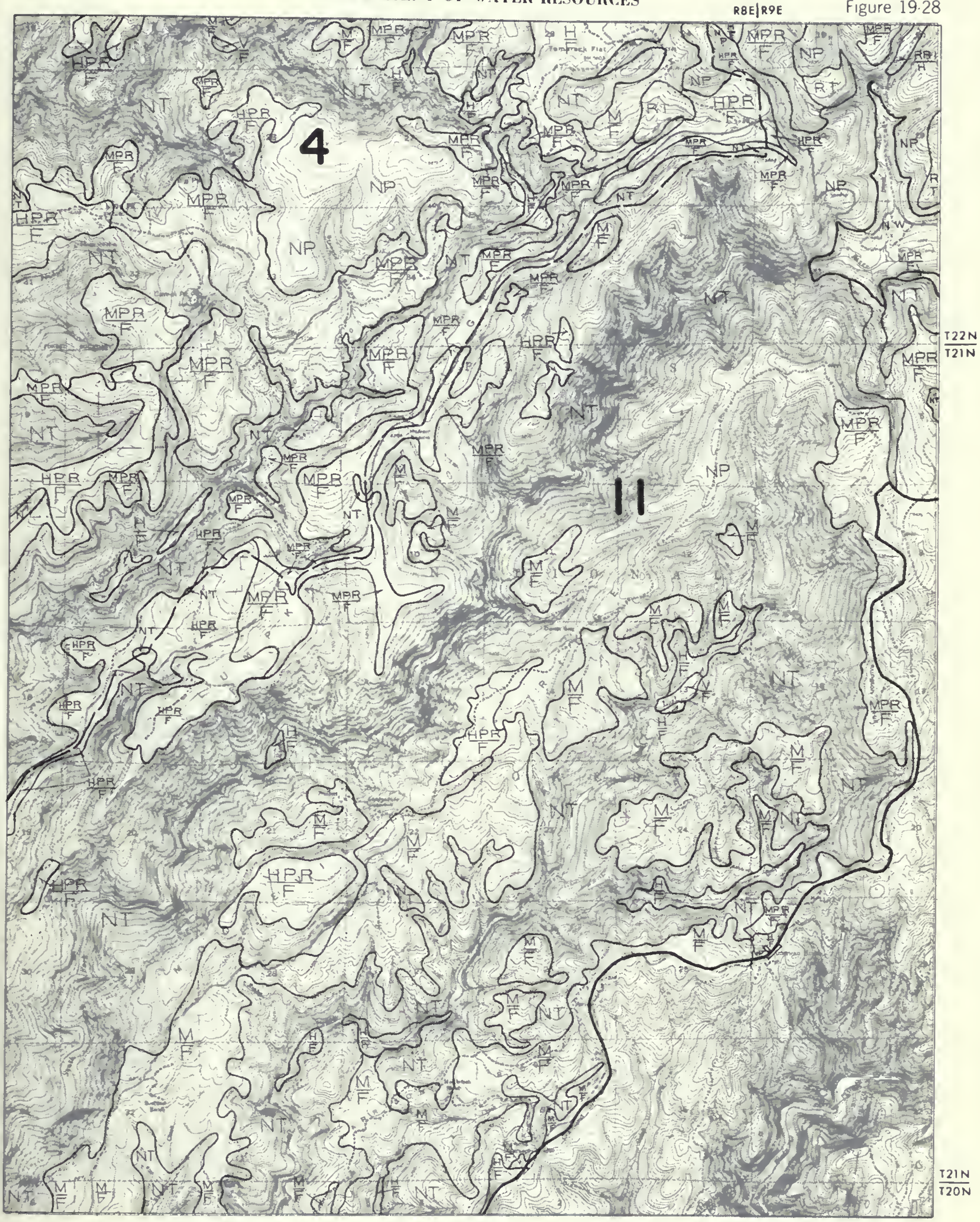


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
AMERICAN HOUSE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-28



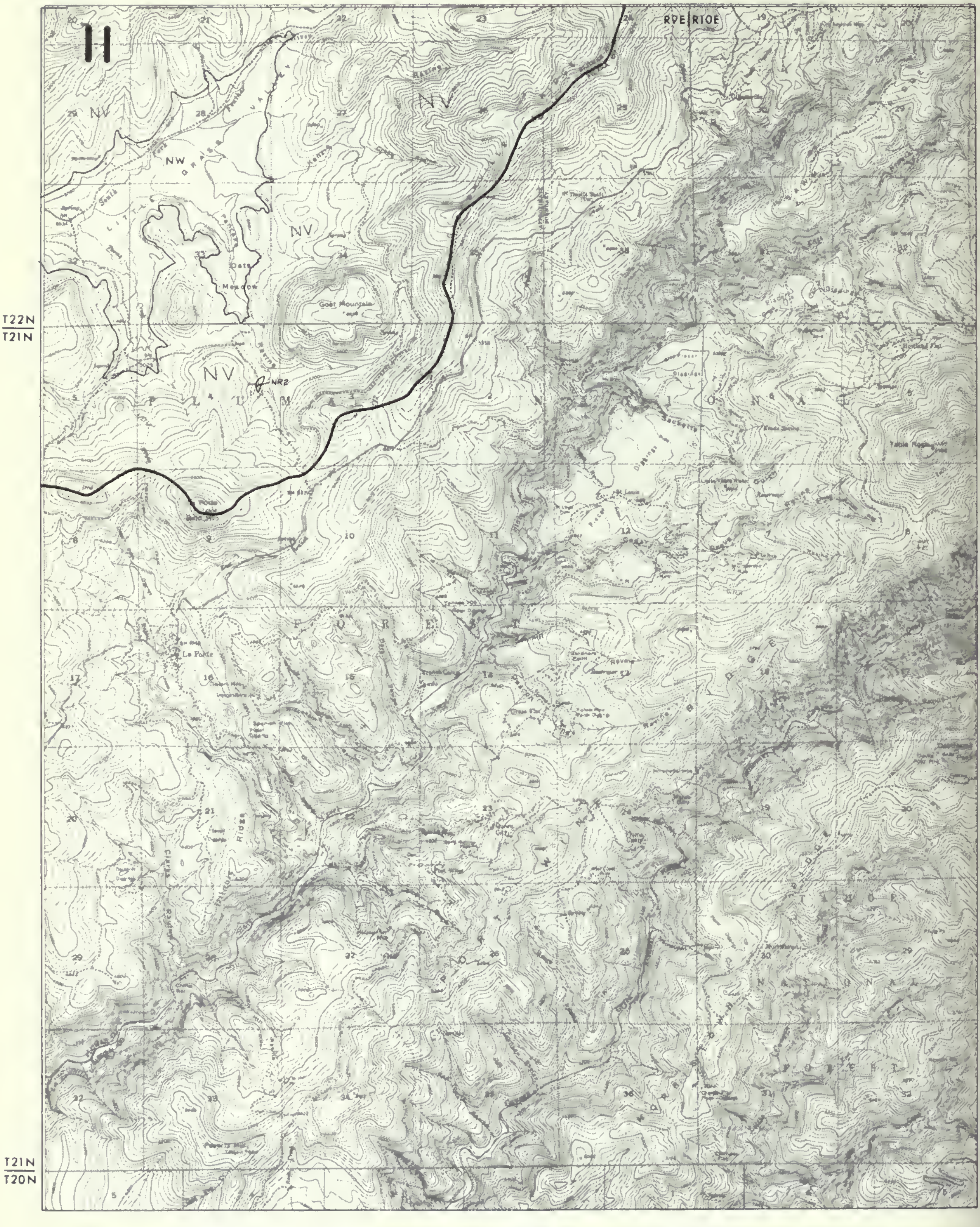
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
AMERICAN HOUSE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-29



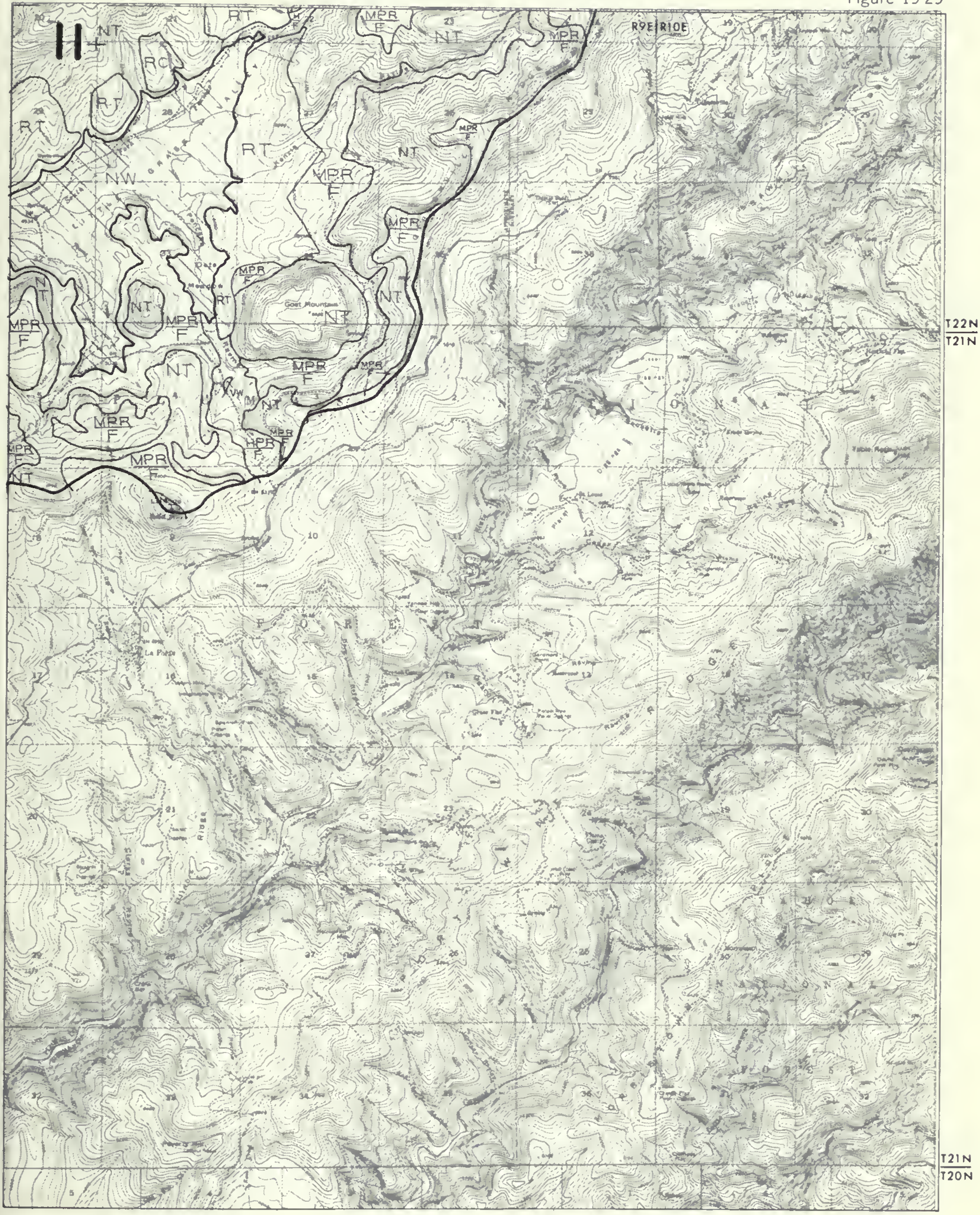
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
LA PORTE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-29

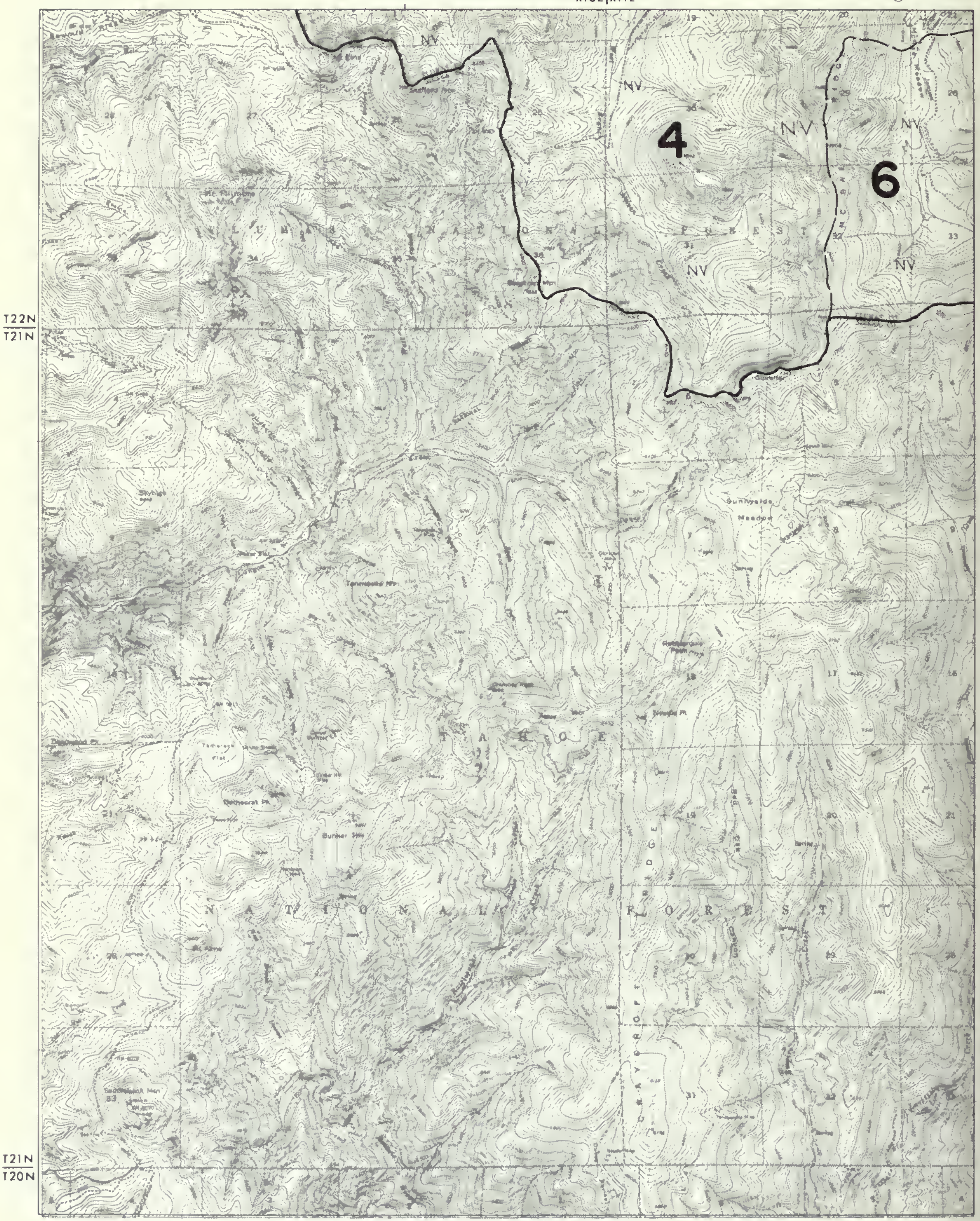


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
LA PORTE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-30

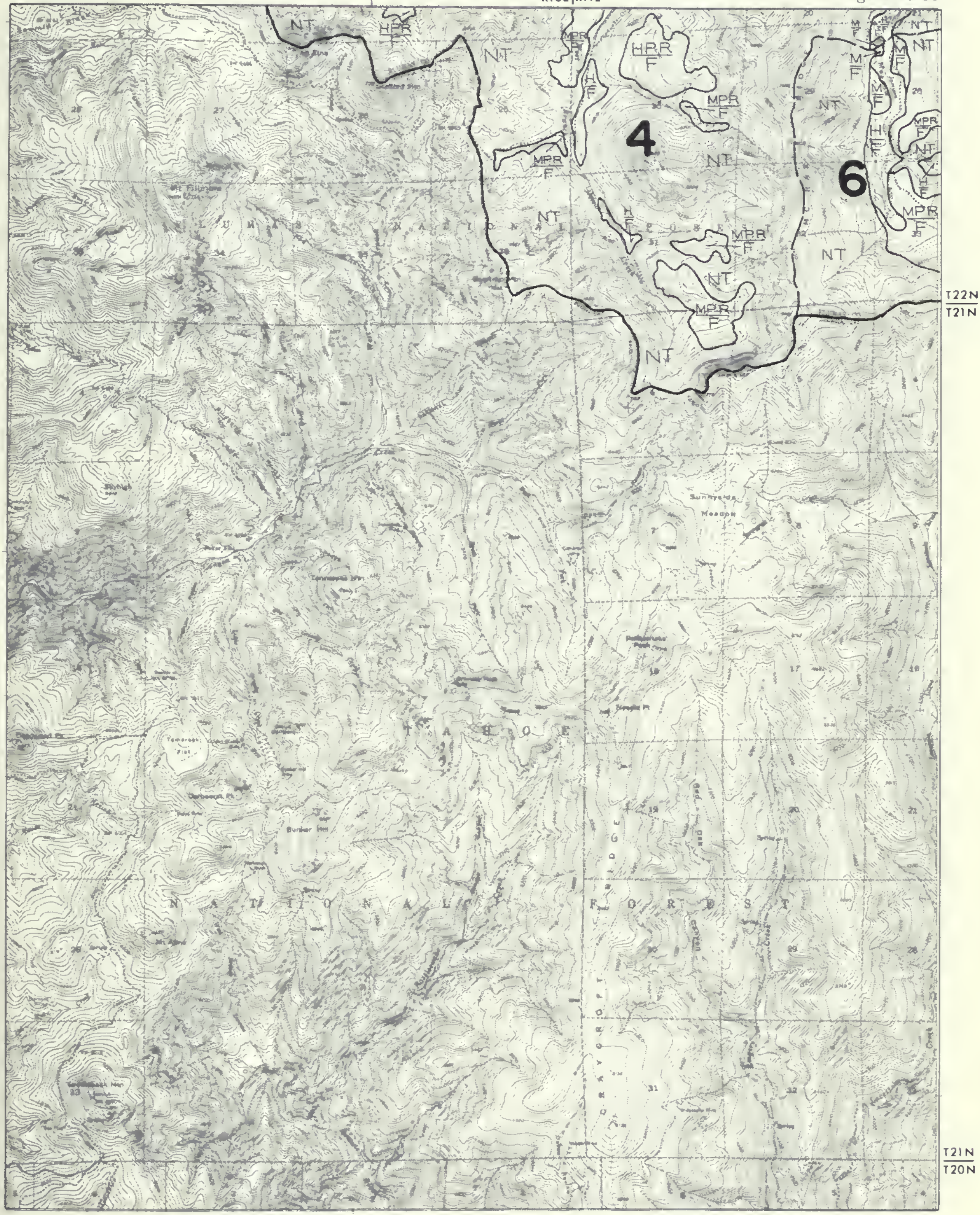


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
MOUNT FILLMORE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-30

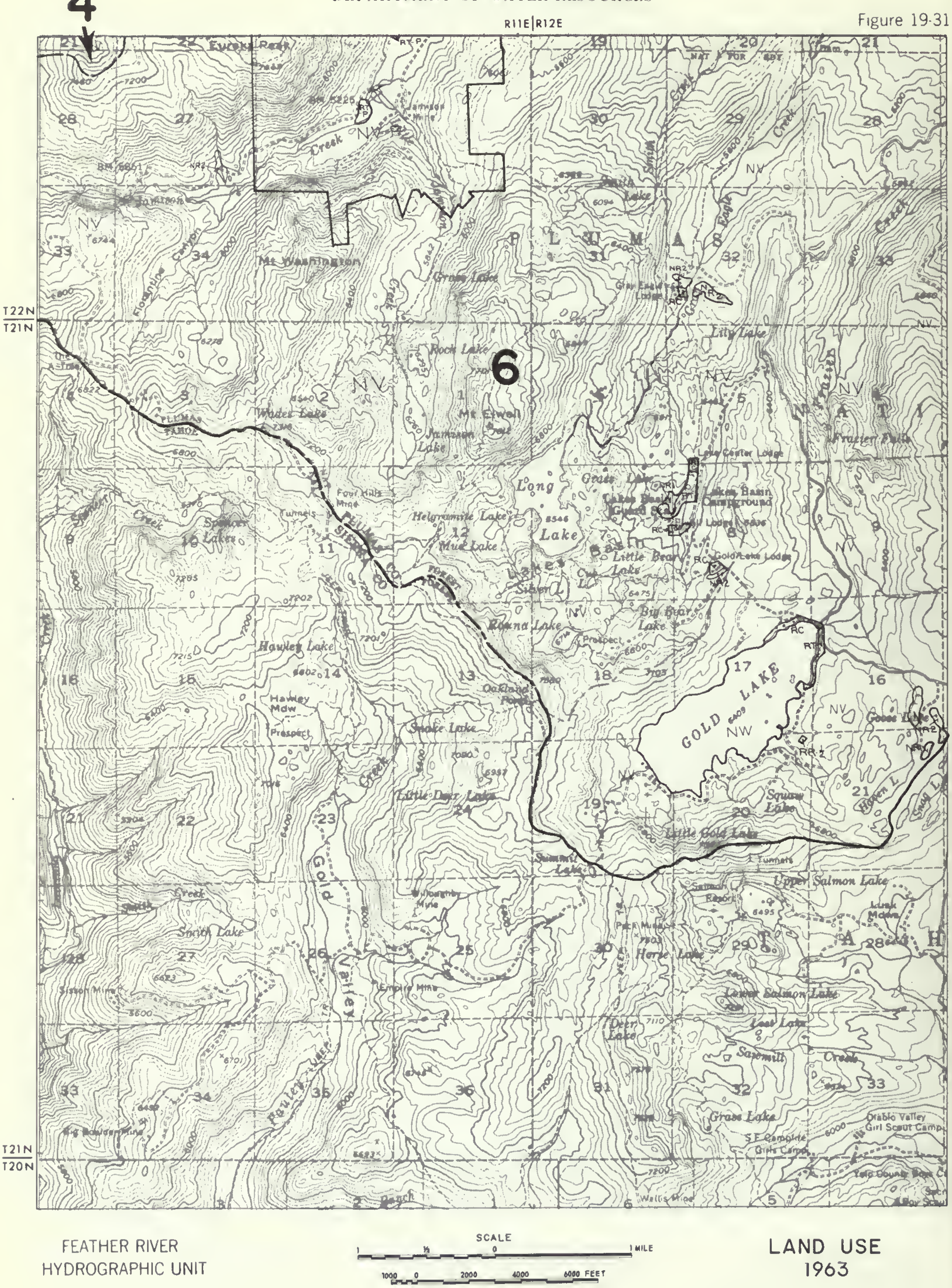


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
MOUNT FILLMORE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-31

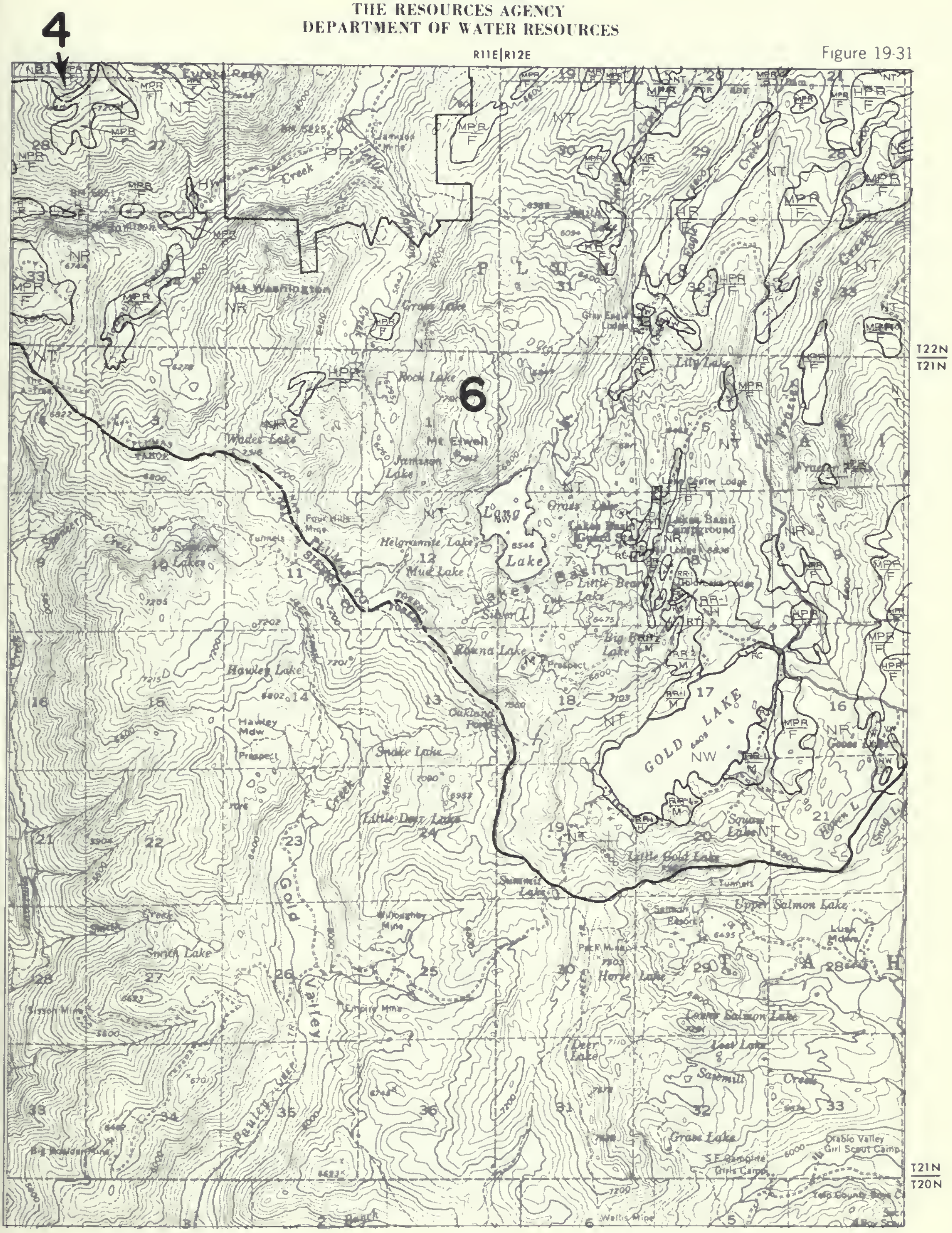


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
SIERRA CITY QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-31



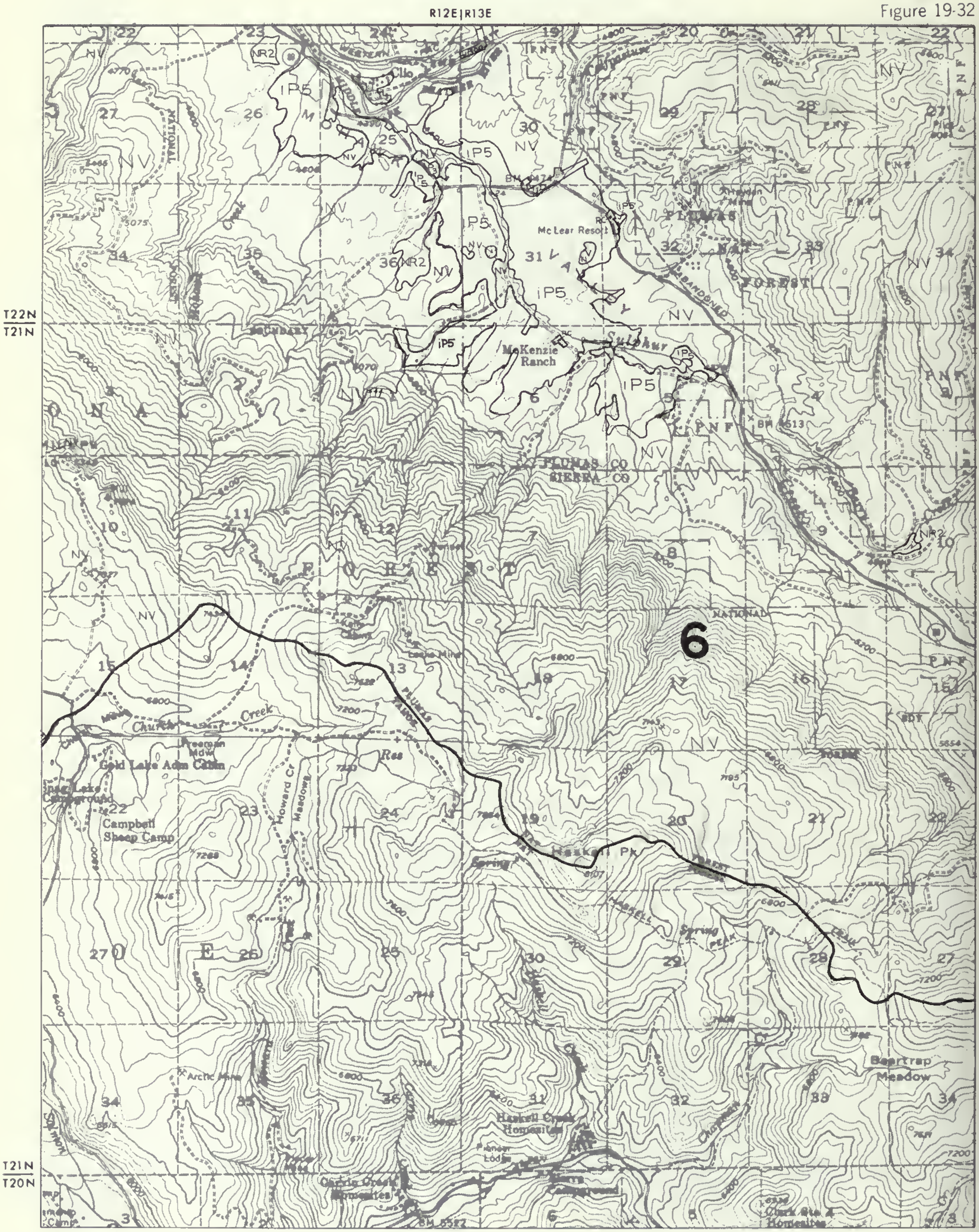
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
SIERRA CITY QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-32



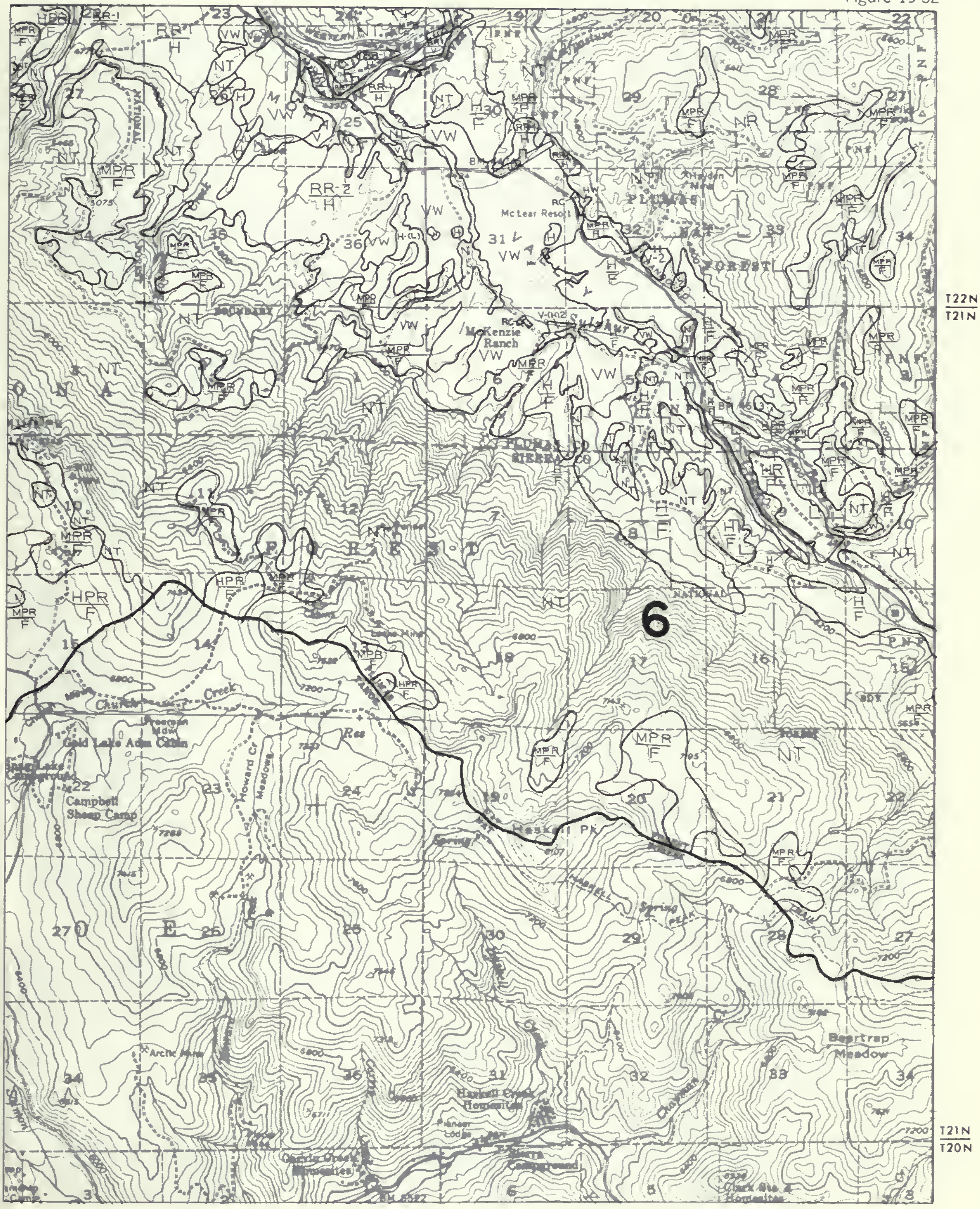
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
SIERRA CITY QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-32



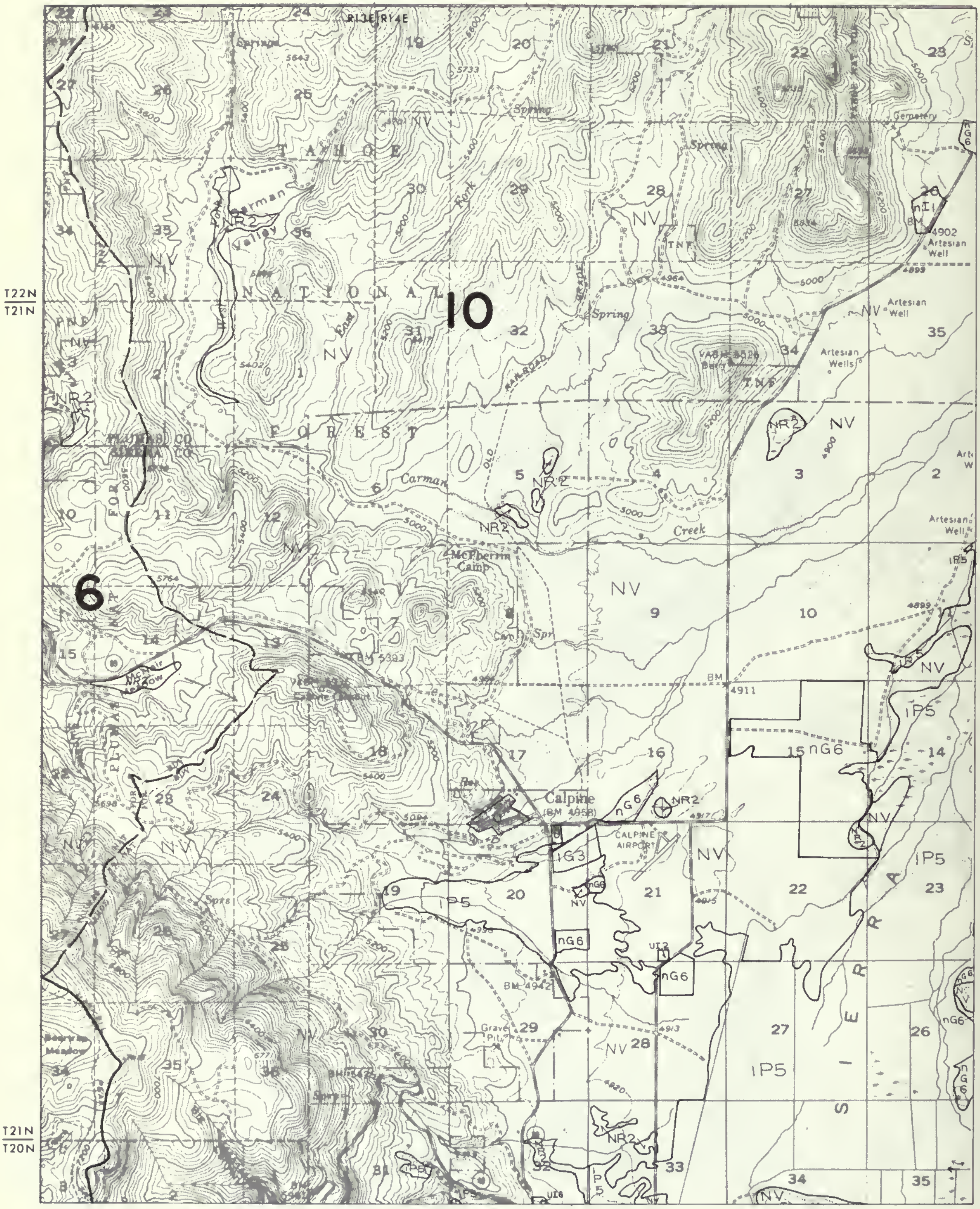
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
SIERRA CITY QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19·33



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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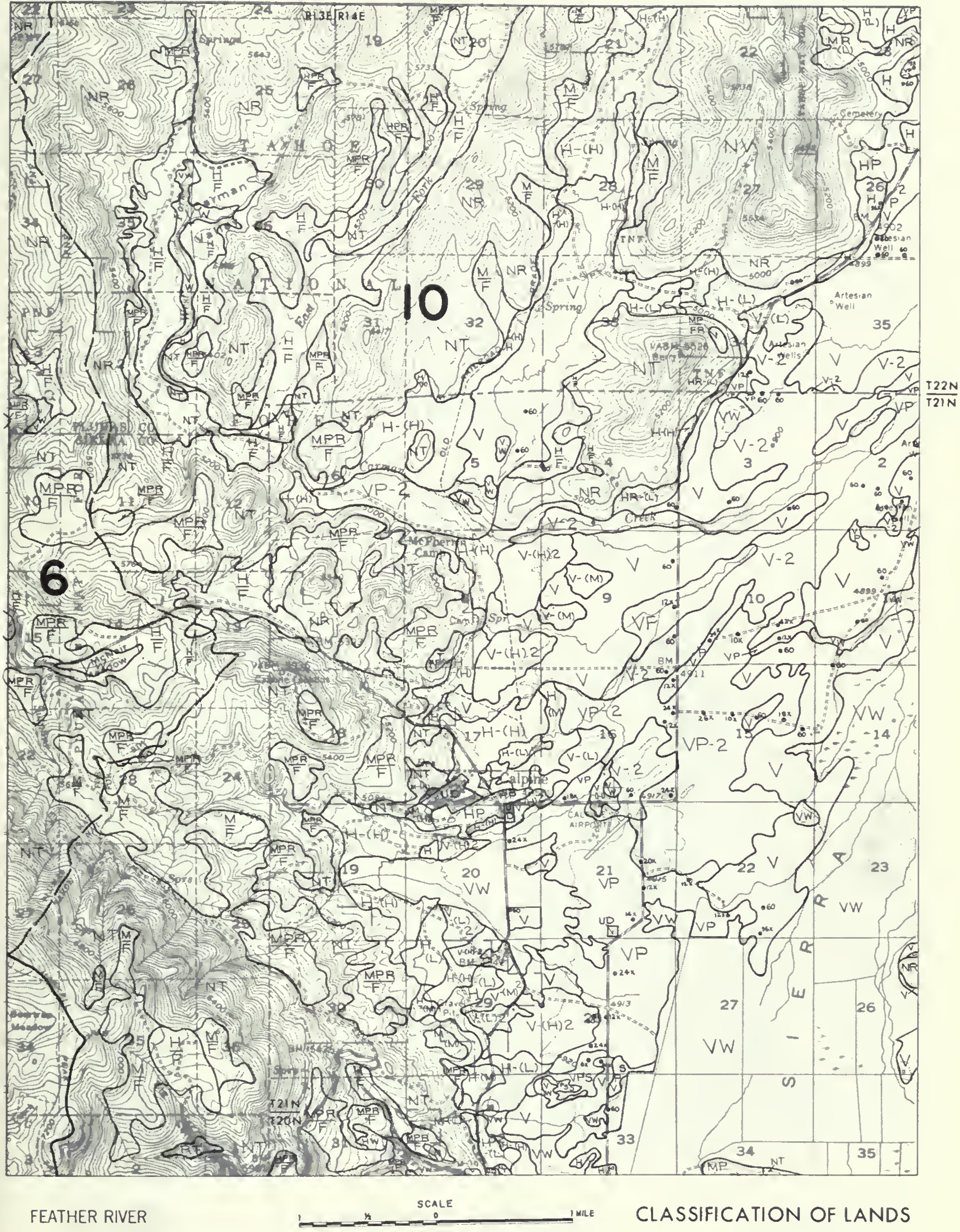
1000 0 2000 4000 6000 FEET

LAND USE
1963
SIERRAVILLE QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-33

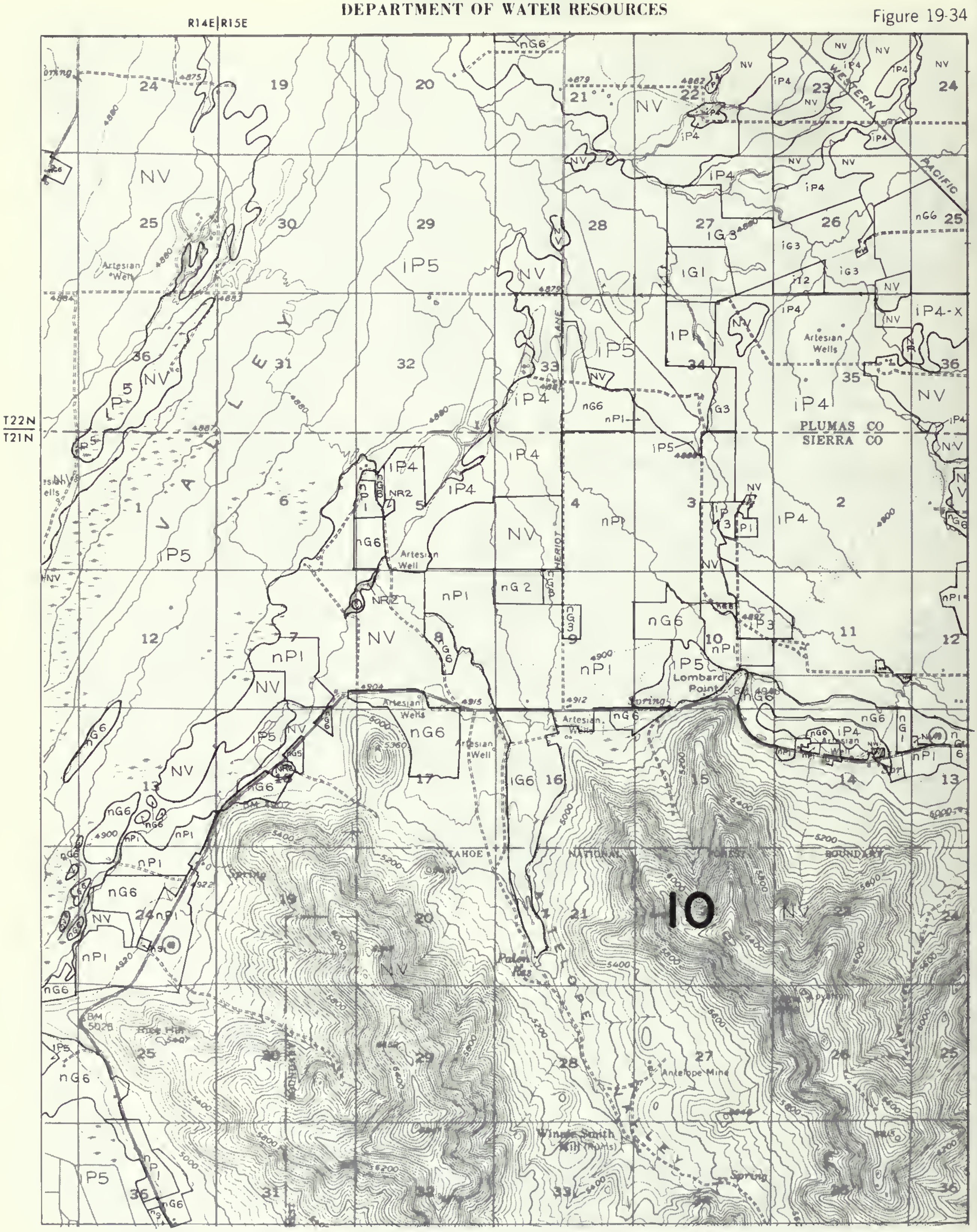


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
SIERRAVILLE QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-34



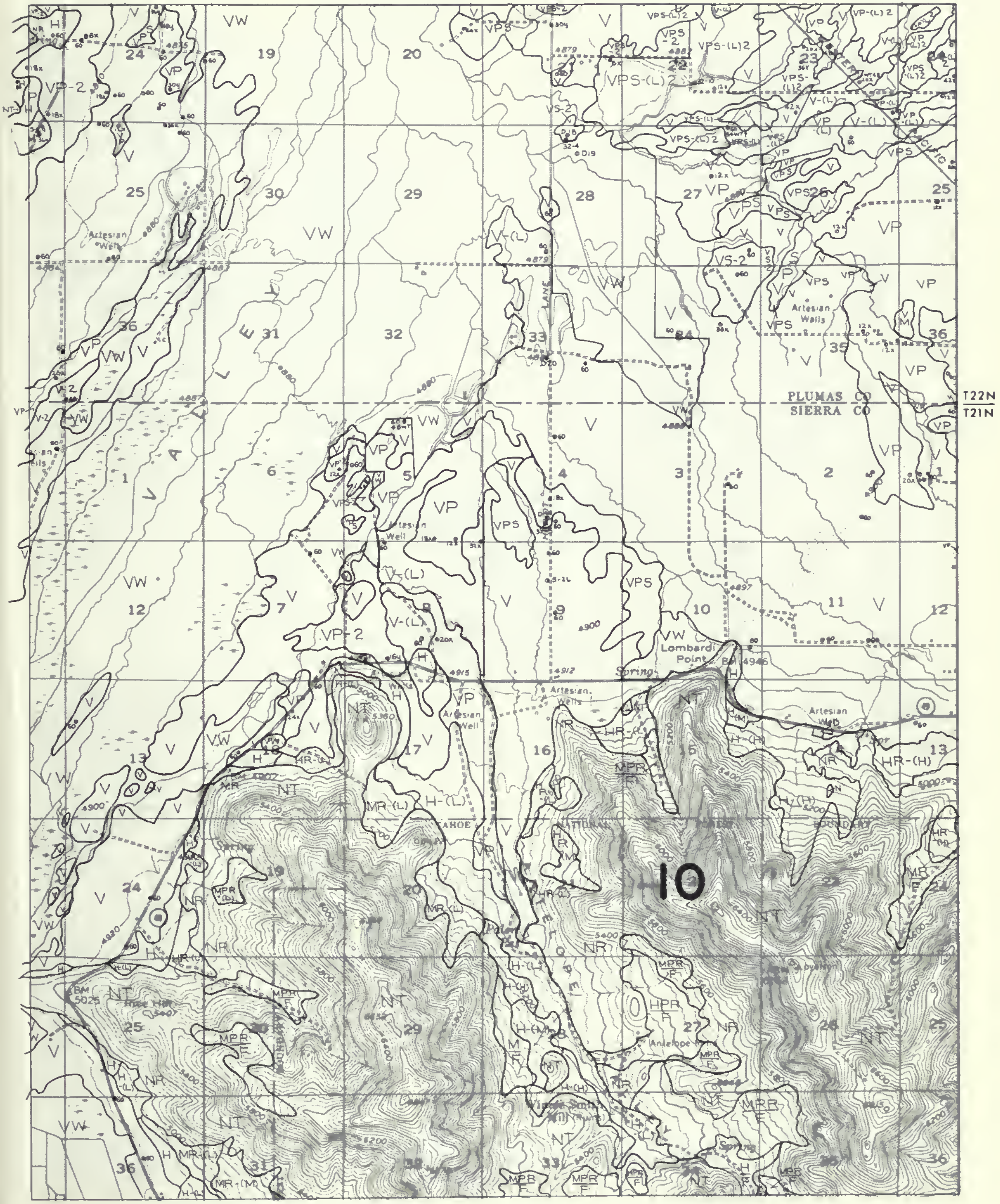
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
SIERRAVILLE QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-34

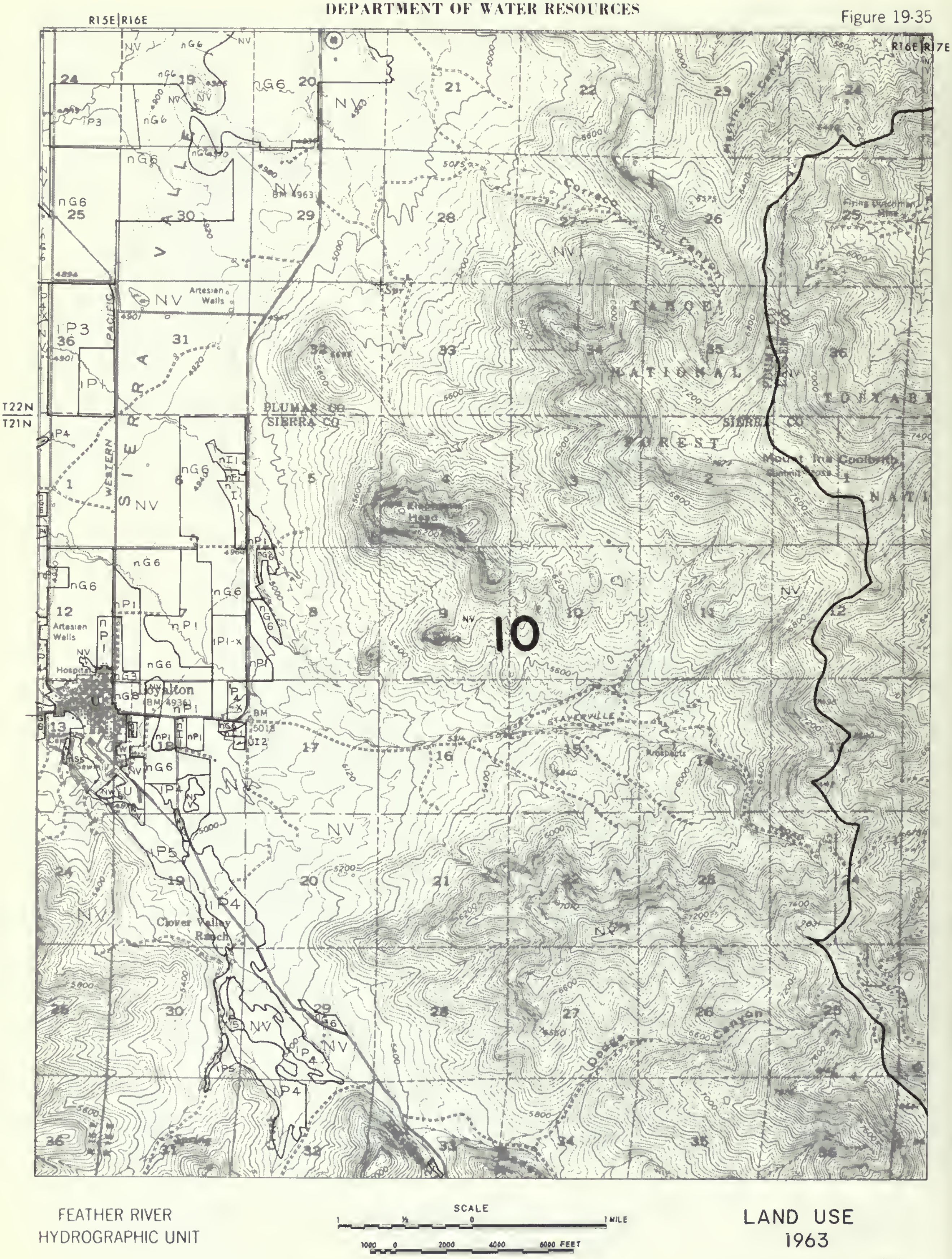


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
SIERRAVILLE QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-35

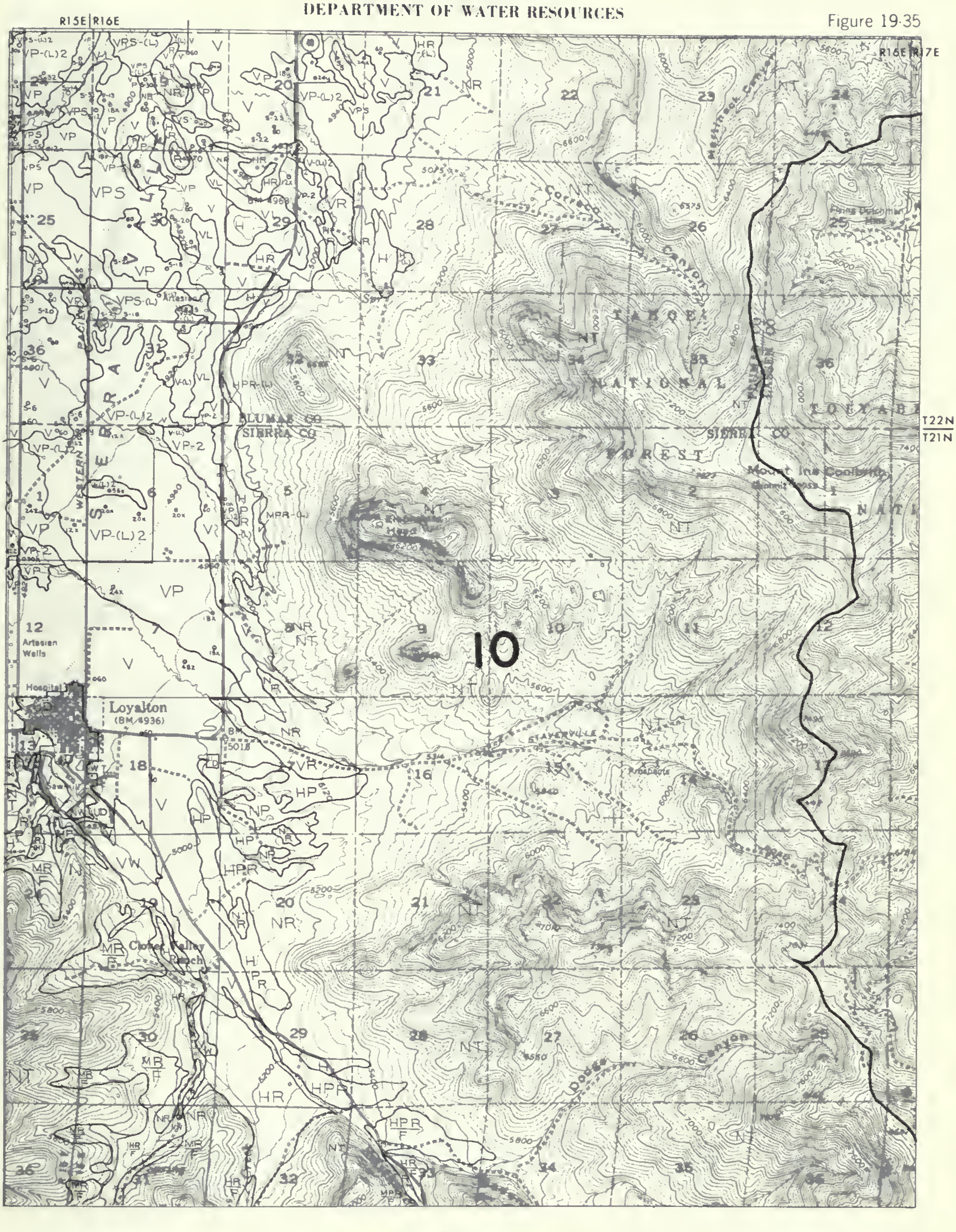


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
LOYALTON QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-35

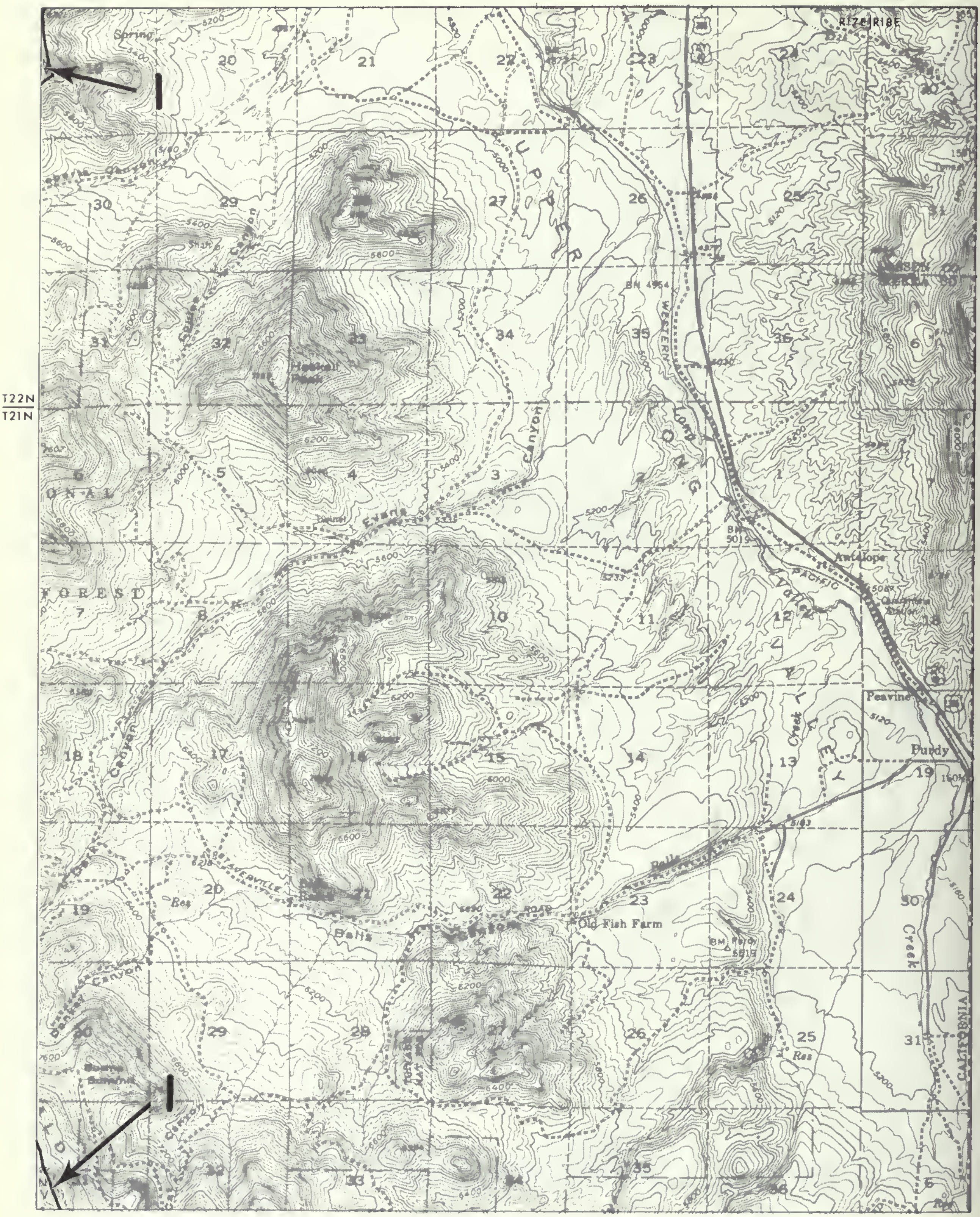


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
LOYALTON QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-36



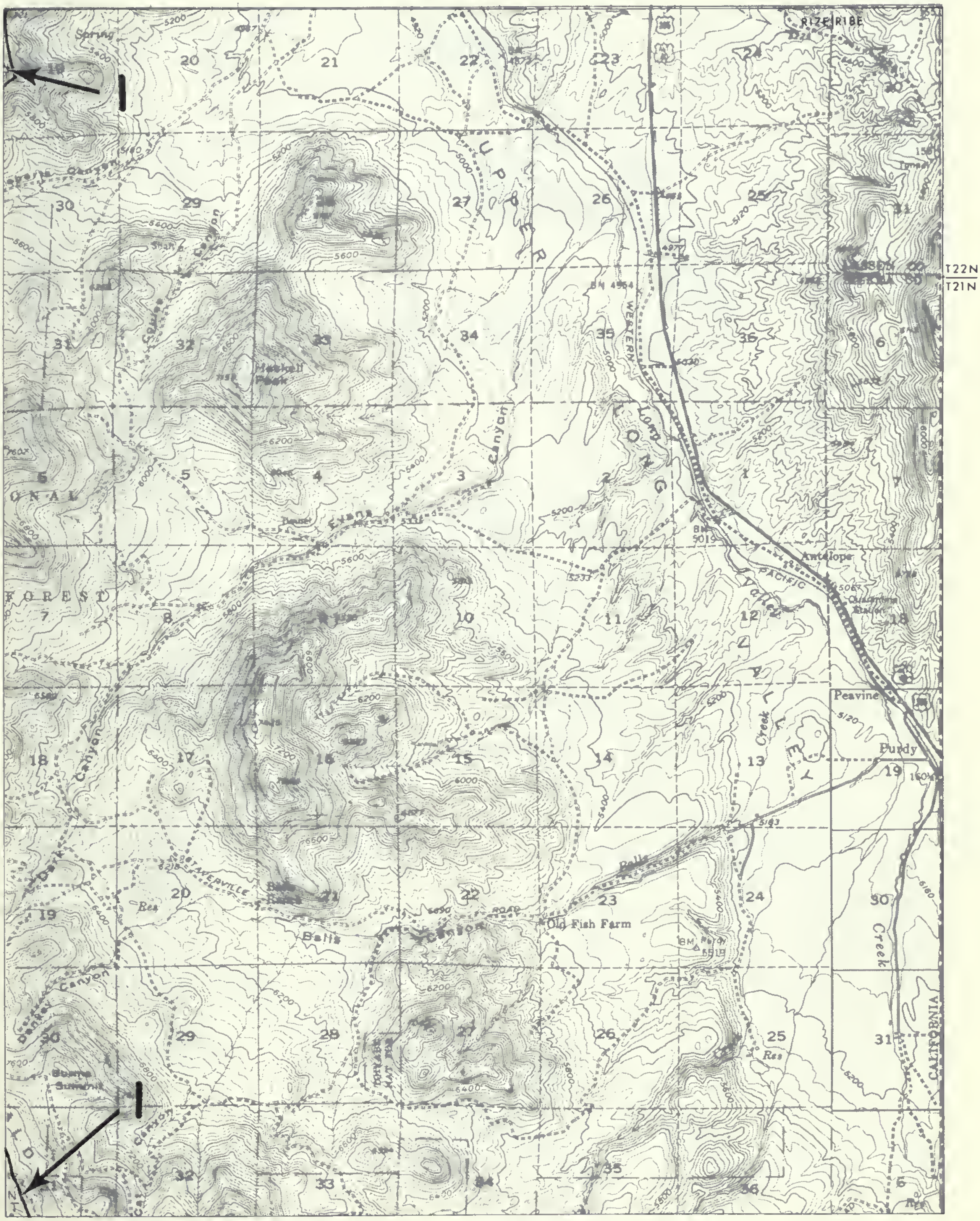
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
LOYALTON QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 19-36

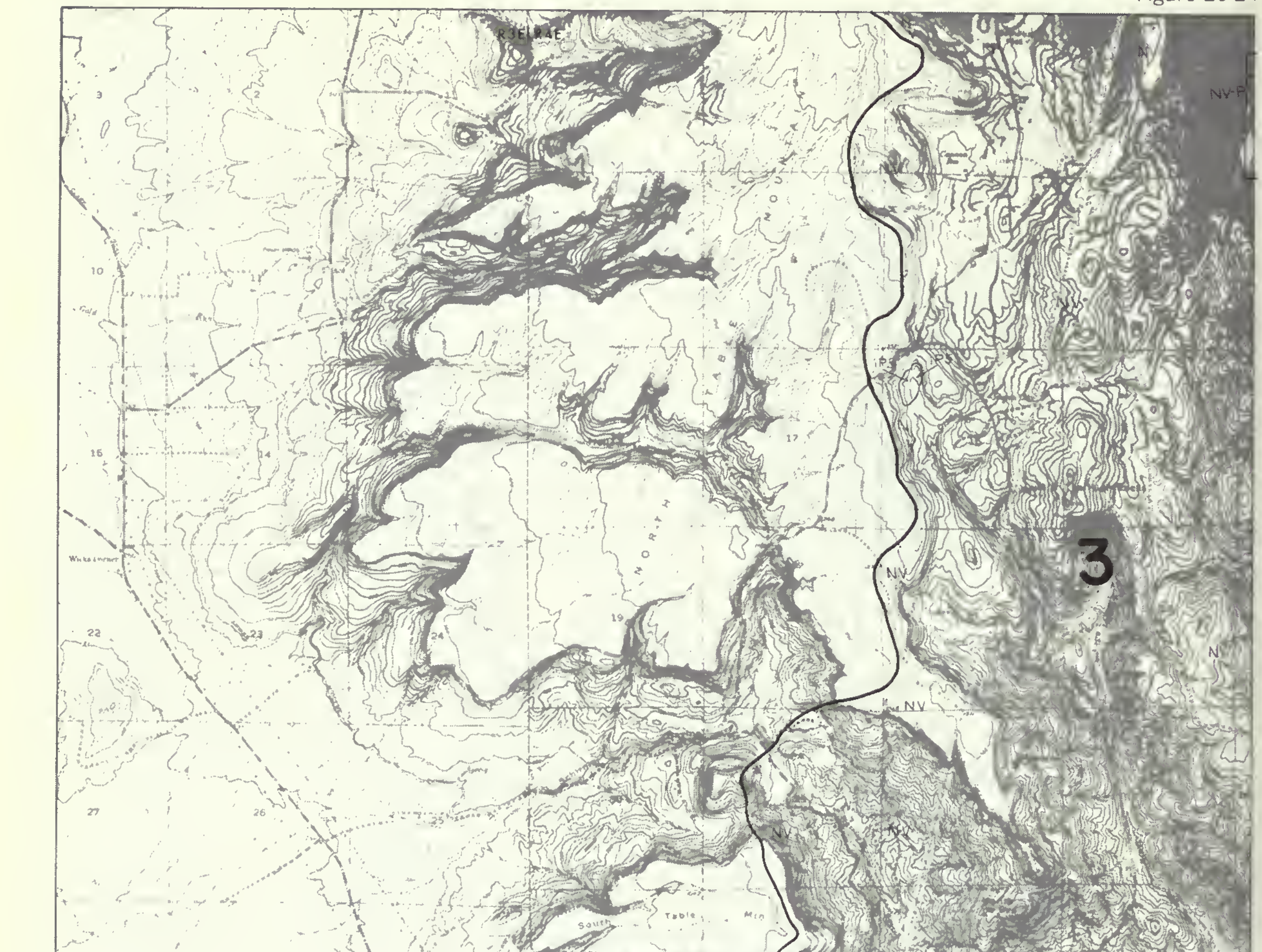


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
LOYALTON QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-24



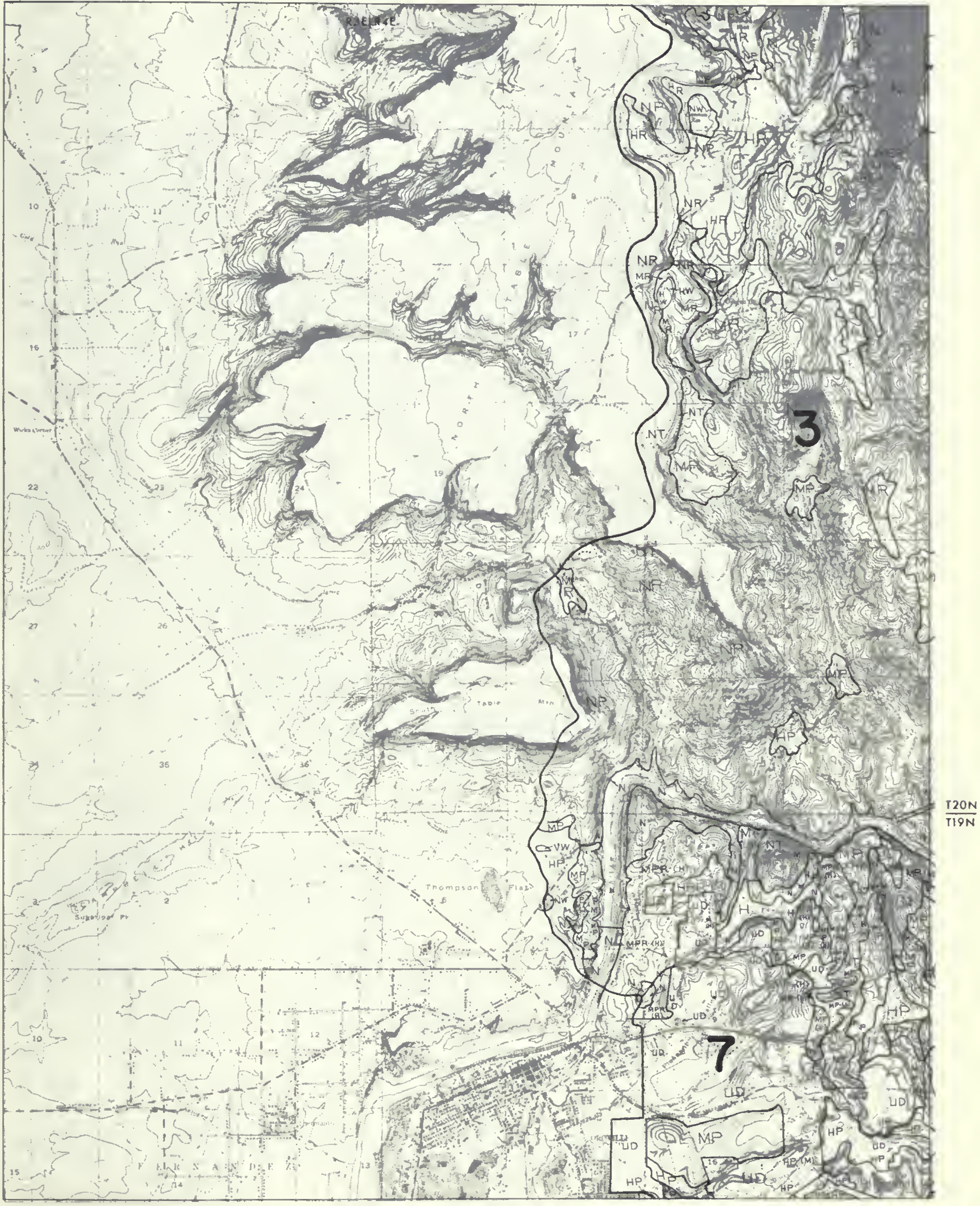
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
OROVILLE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-24

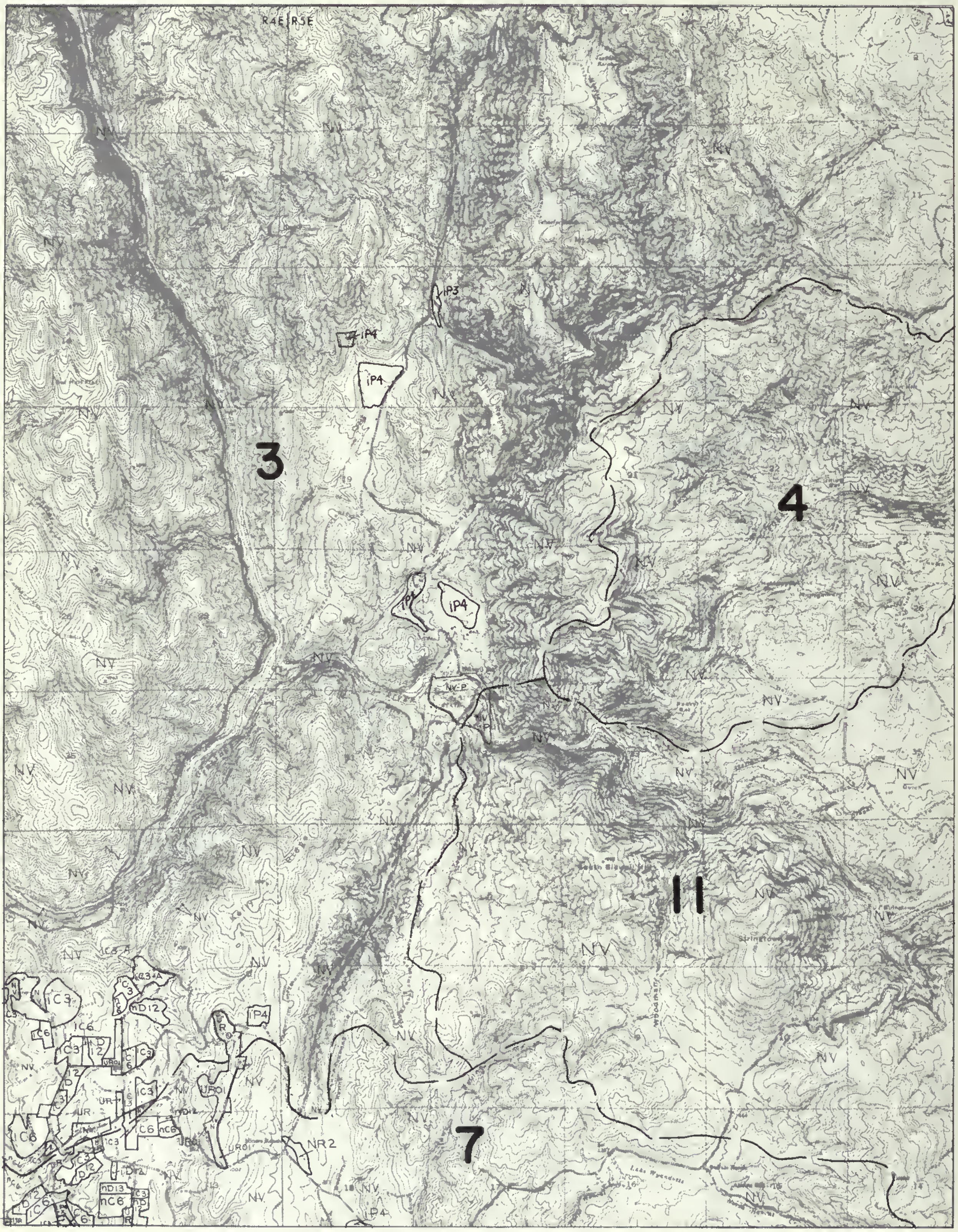


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
OROVILLE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-25

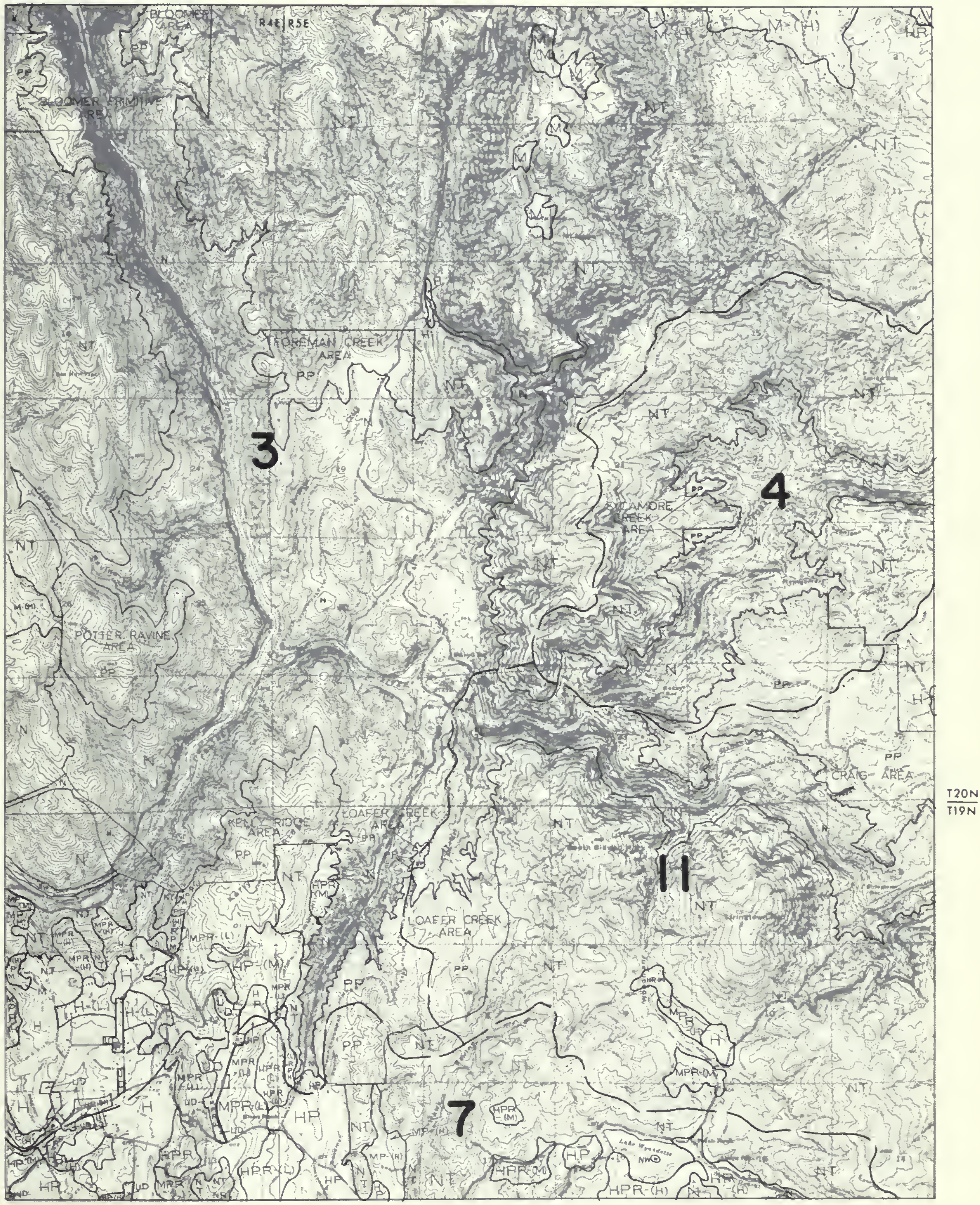


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
BIDWELL BAR QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-25

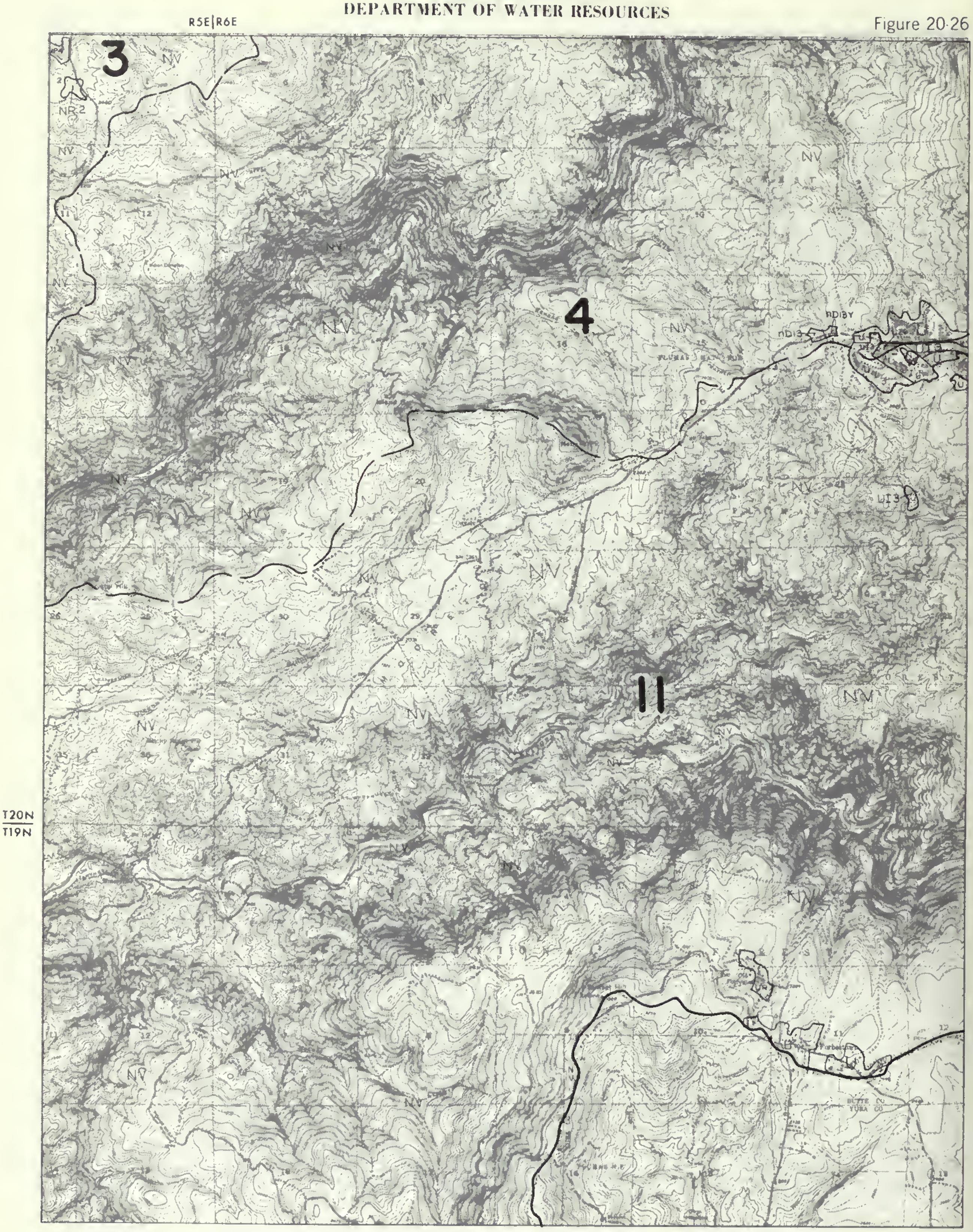


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
BIDWELL BAR QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20·26

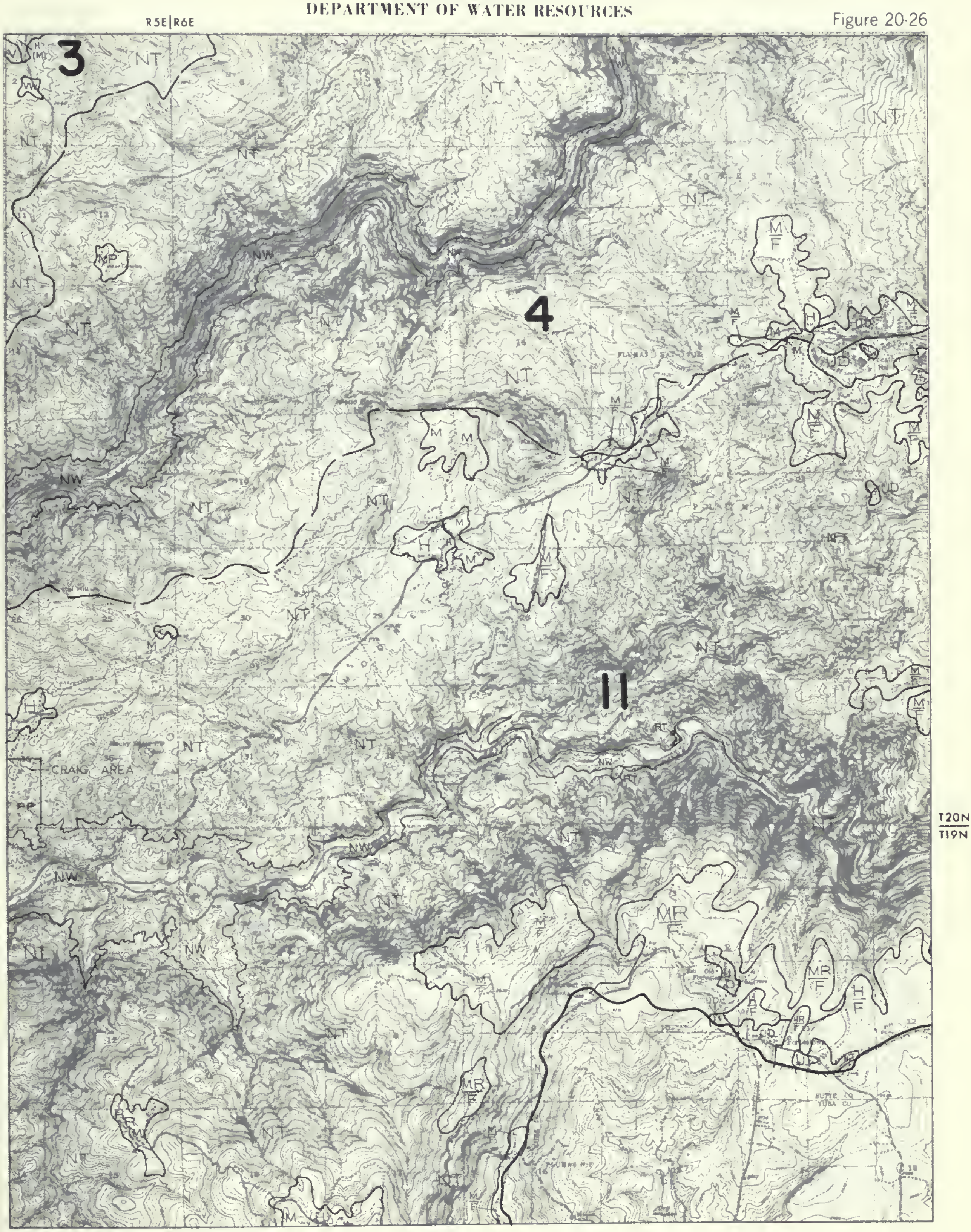


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
FORBESTOWN QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-26



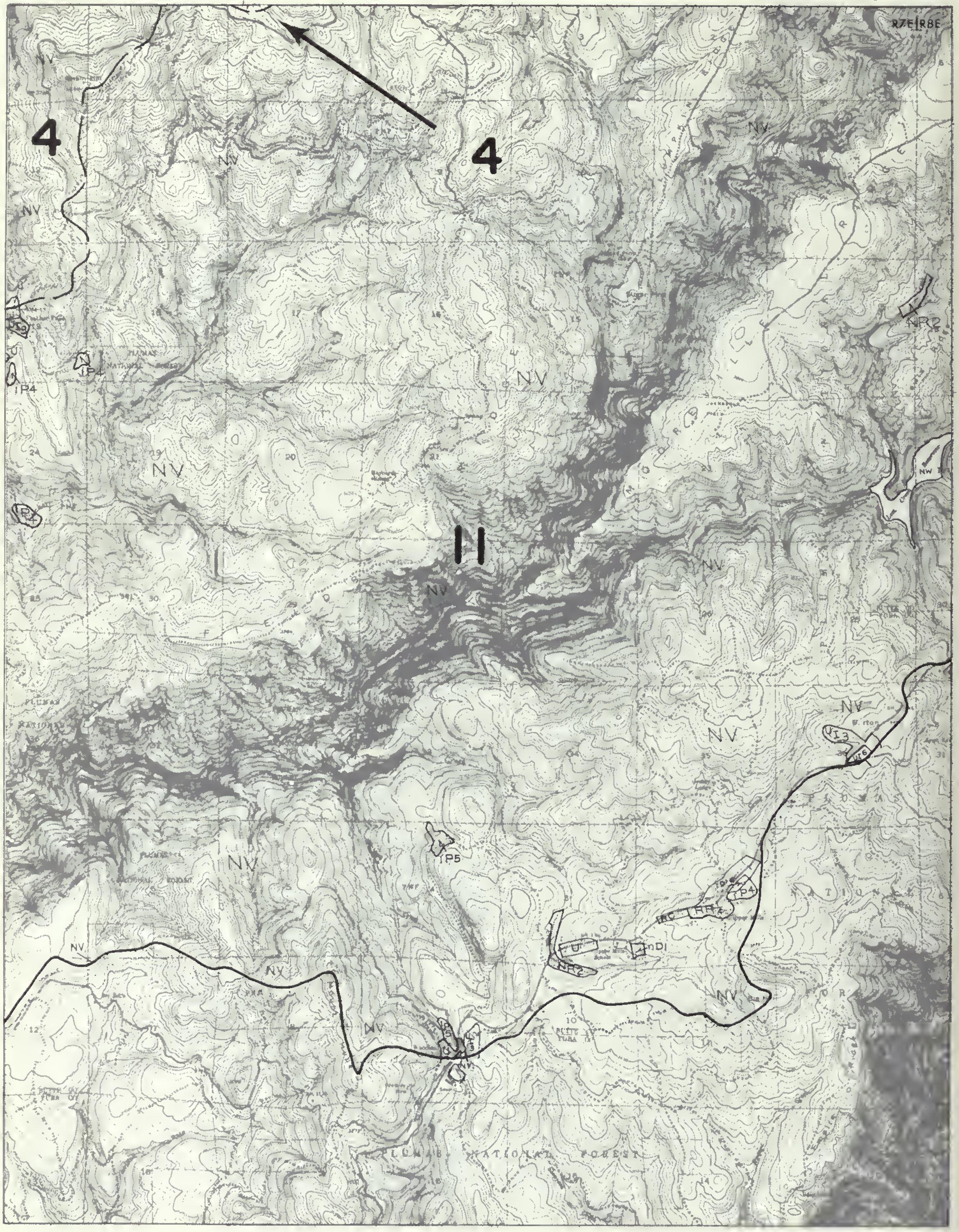
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE

CLASSIFICATION OF LANDS
1963
FORBESTOWN QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-27



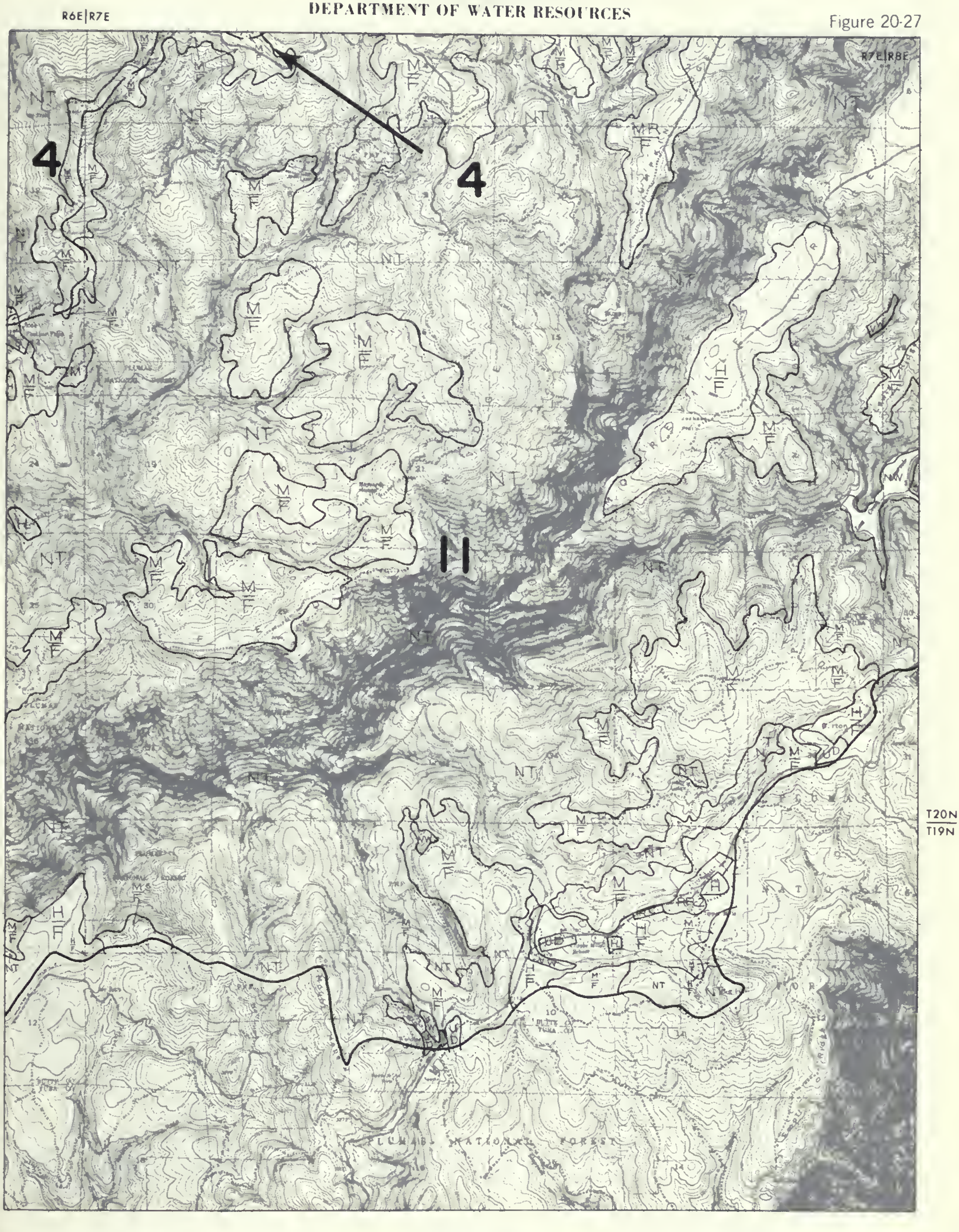
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
CLIPPER MILLS QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-27

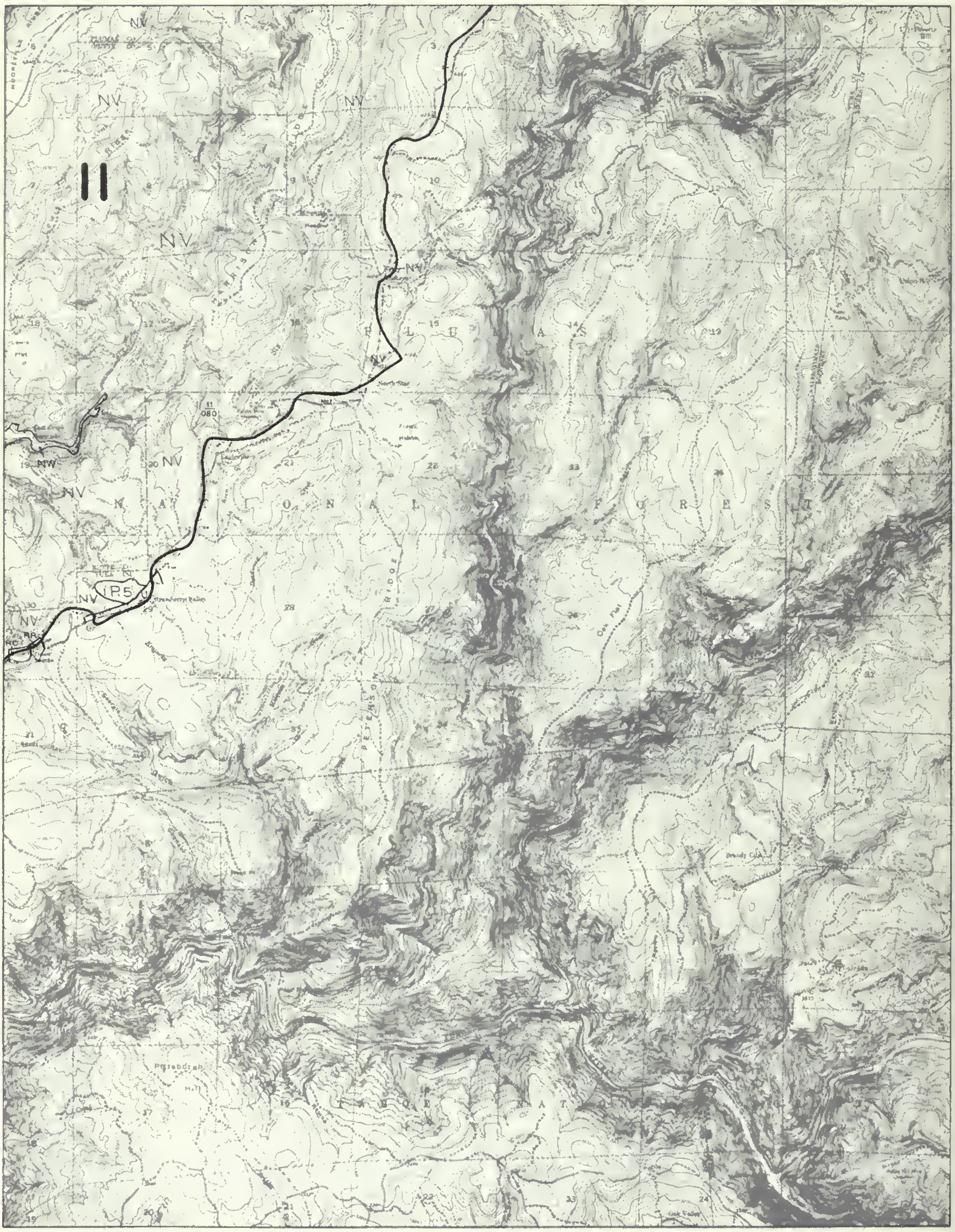


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
CLIPPER MILLS QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-28



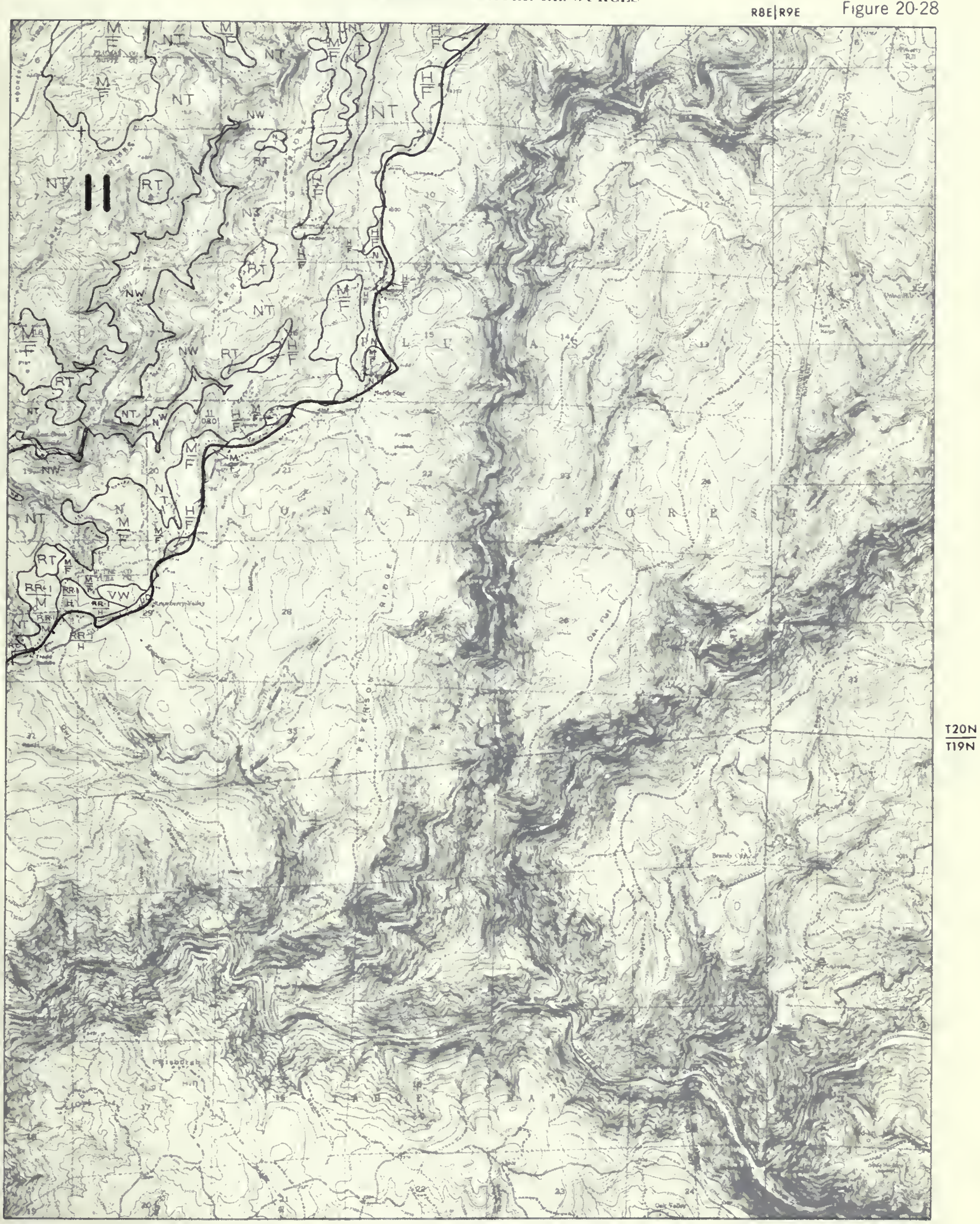
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
STRAWBERRY VALLEY QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-28



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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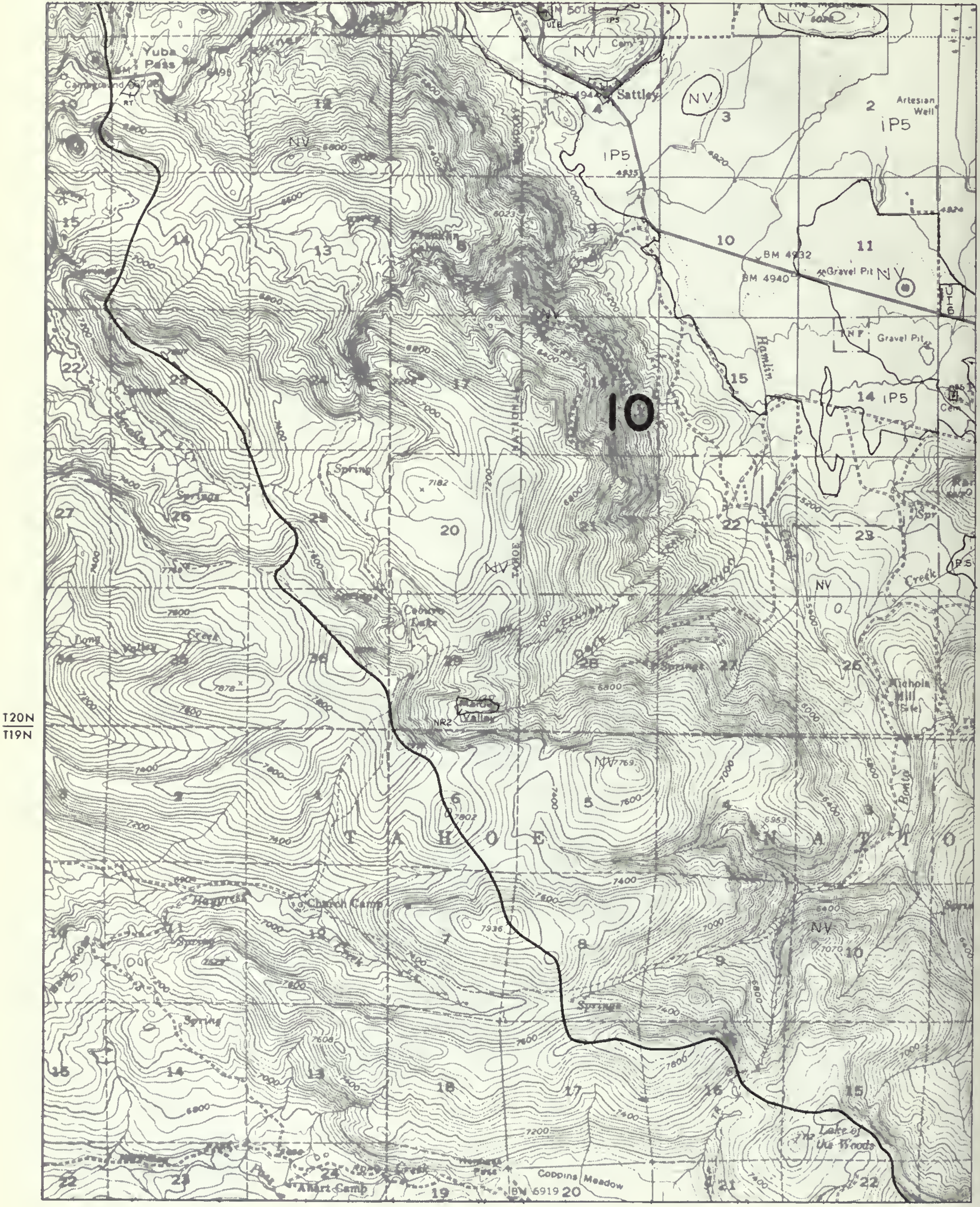
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
STRAWBERRY VALLEY QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-33



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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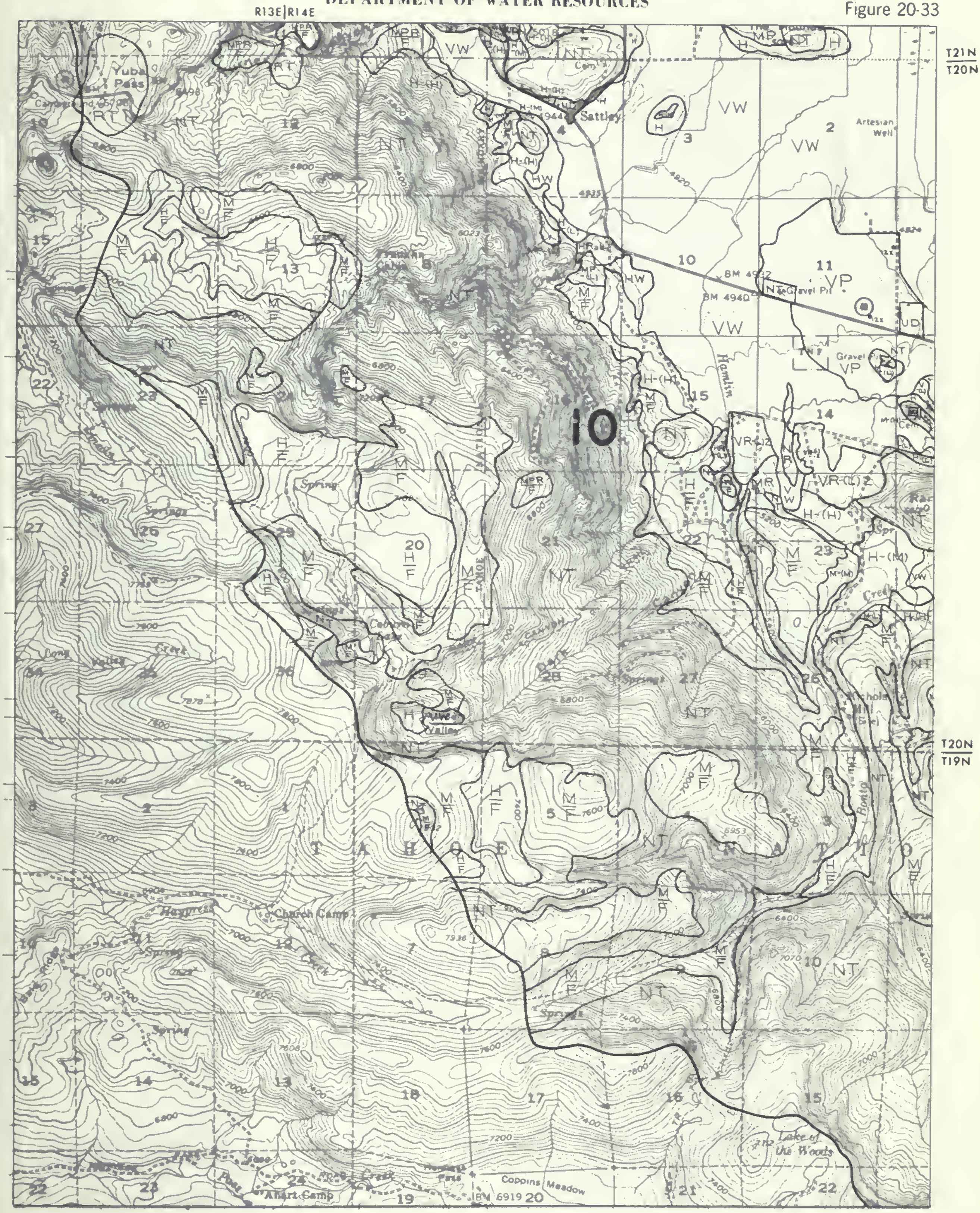
1000 0 2000 4000 6000 FEET

LAND USE
1963
SIERRAVILLE QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-33



SCALE
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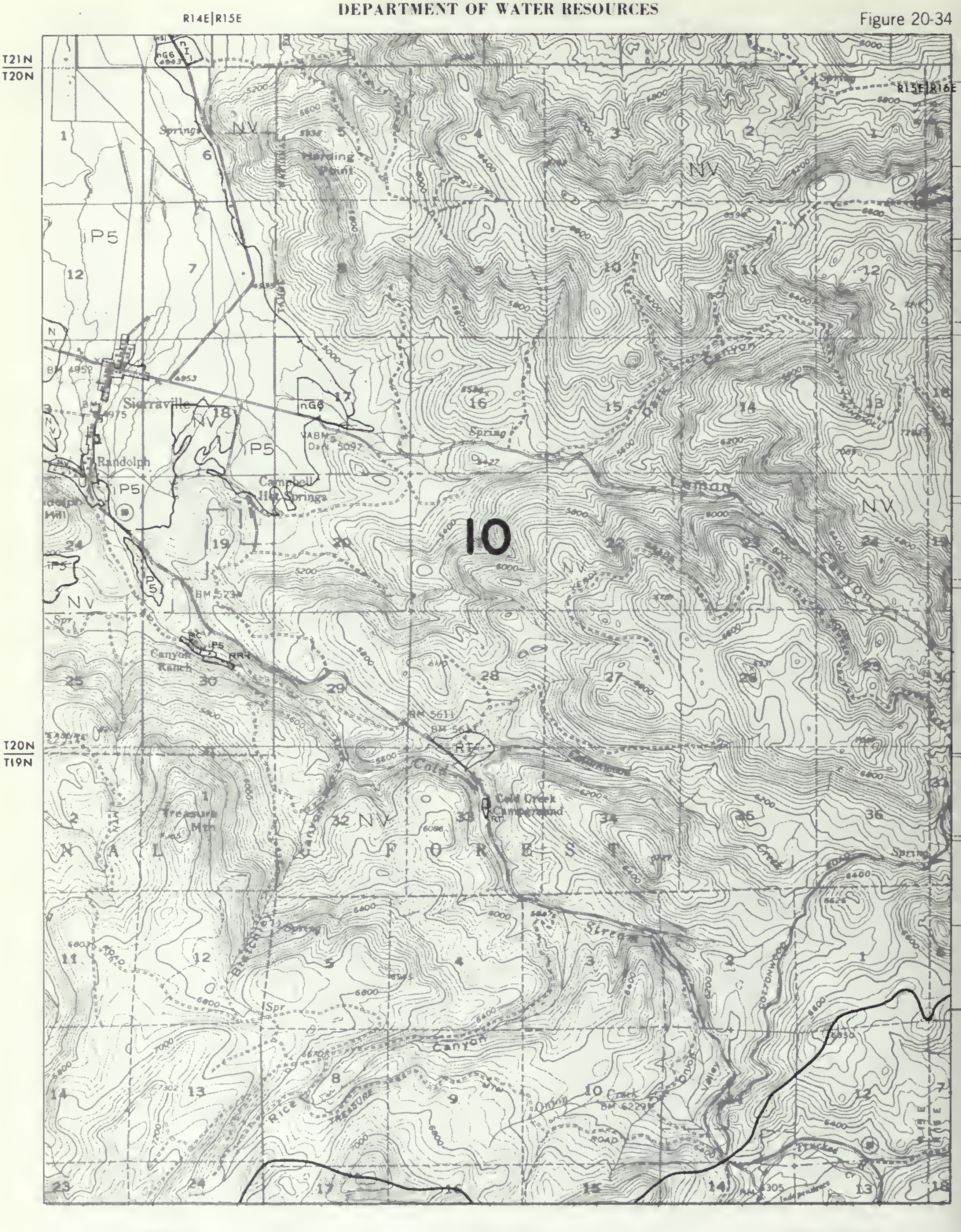
1000 0 2000 4000 6000 FEET

FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
SIERRAVILLE QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-34

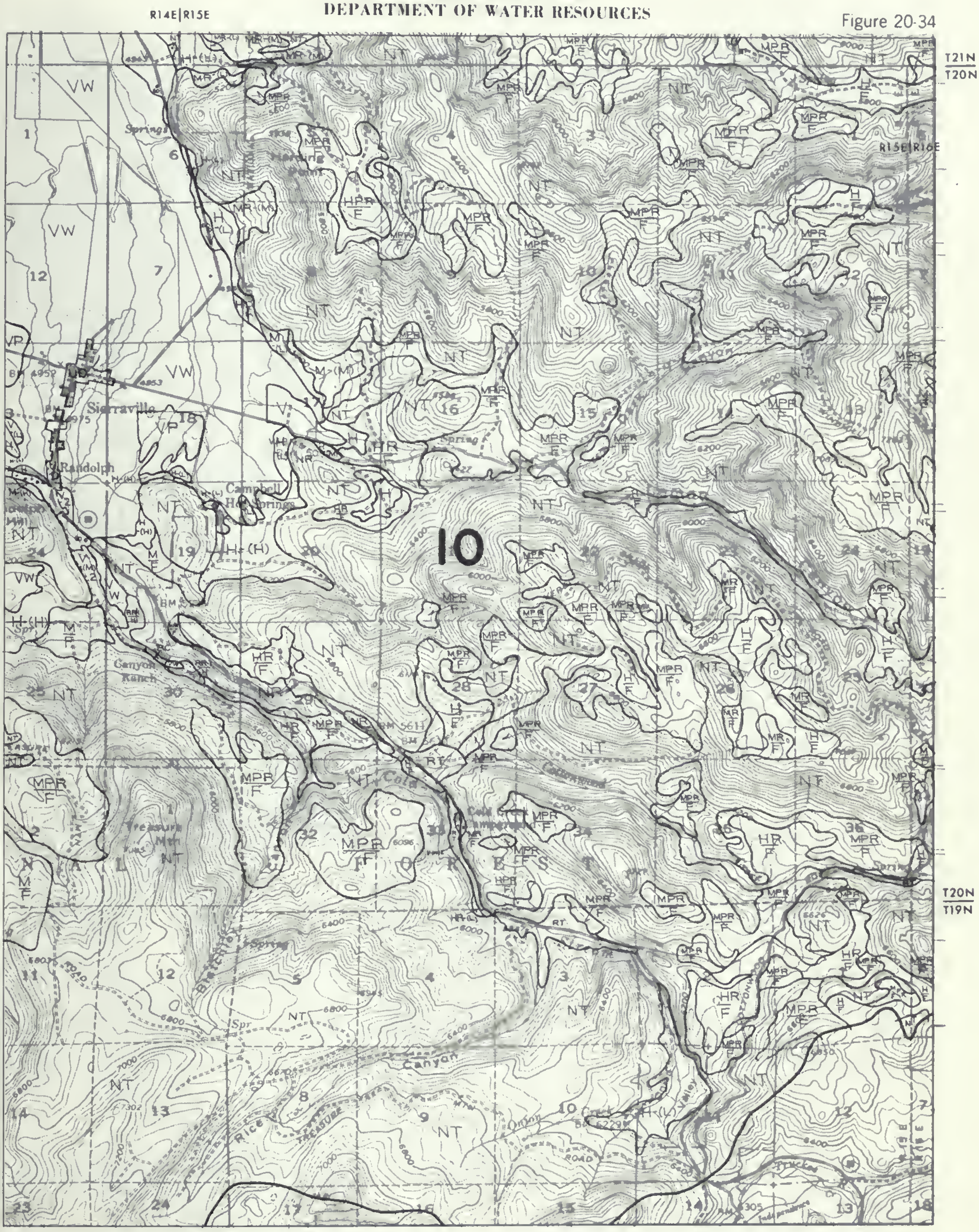


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
SIERRAVILLE QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-34



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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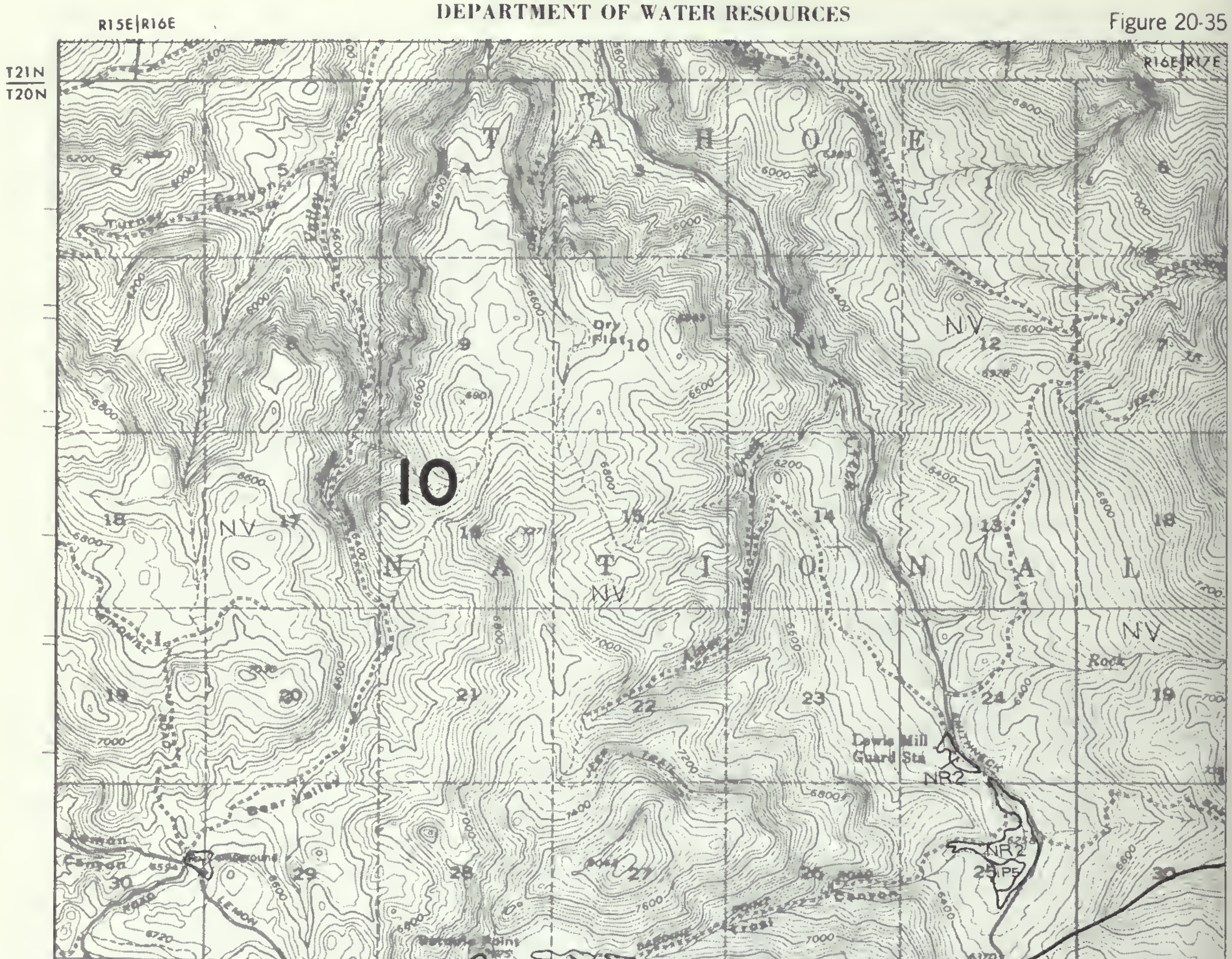
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
SIERRAVILLE QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-35



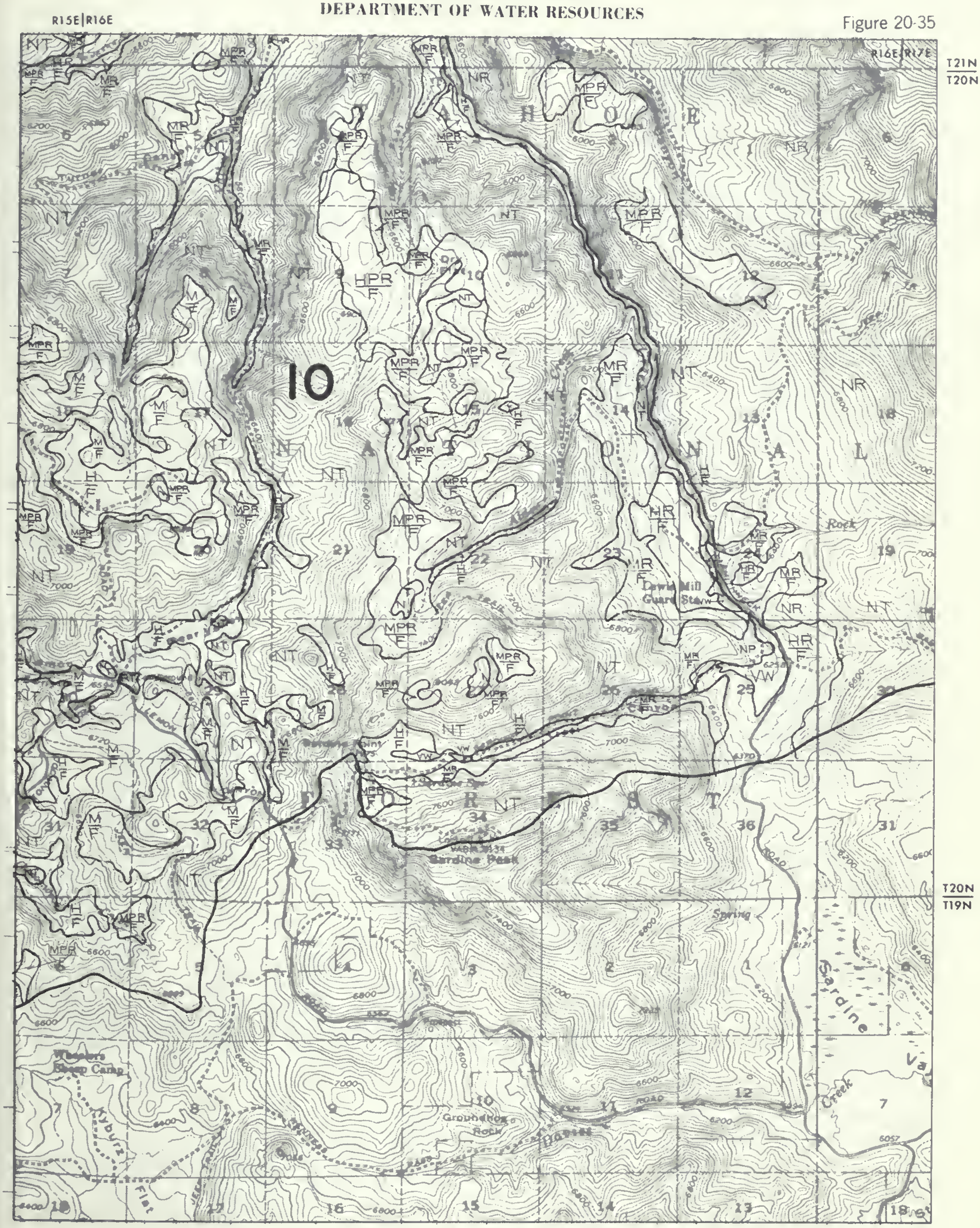
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
LOYALTON QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-35



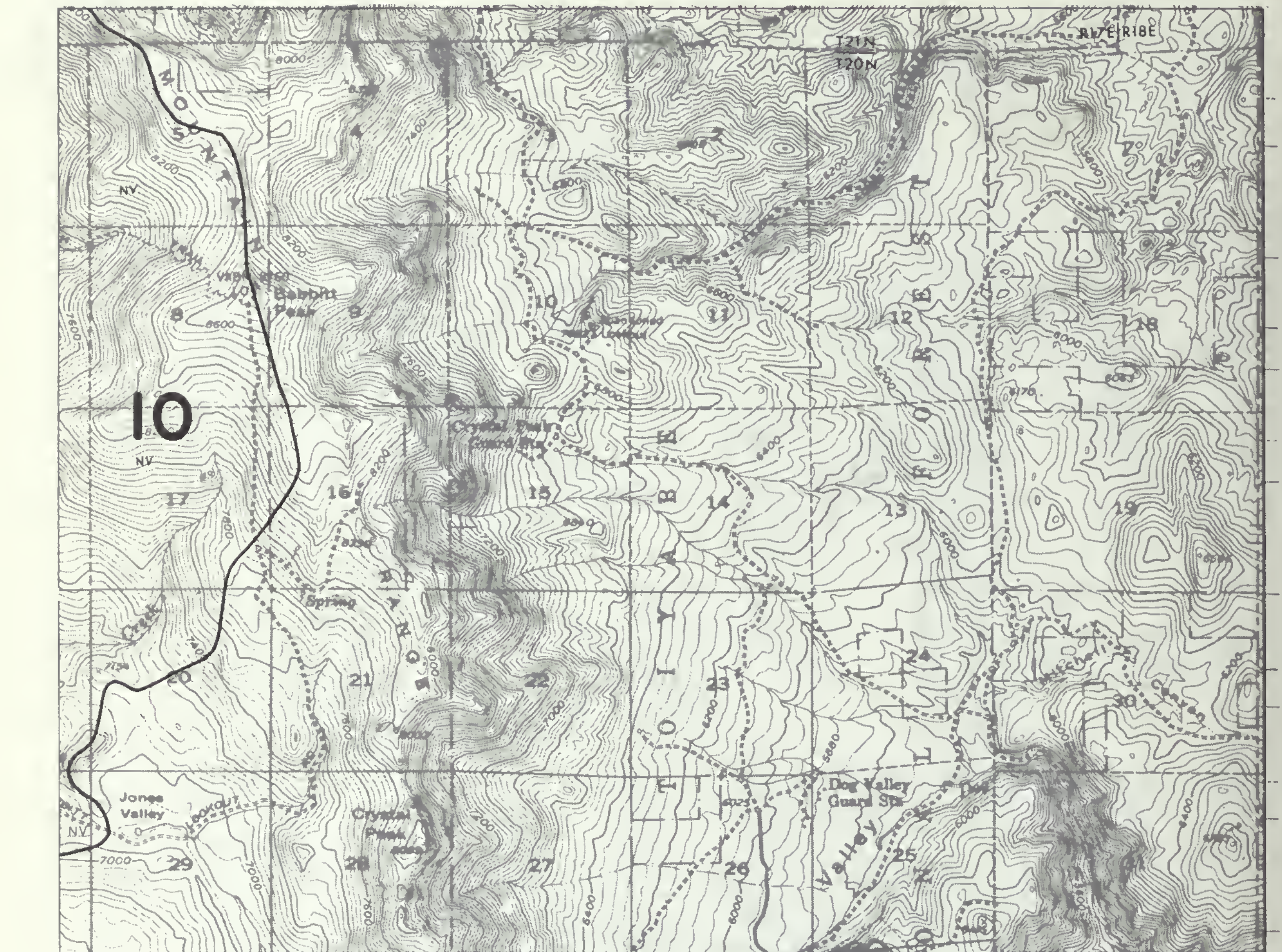
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
LOYALTON QUADRANGLE
Southwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-36



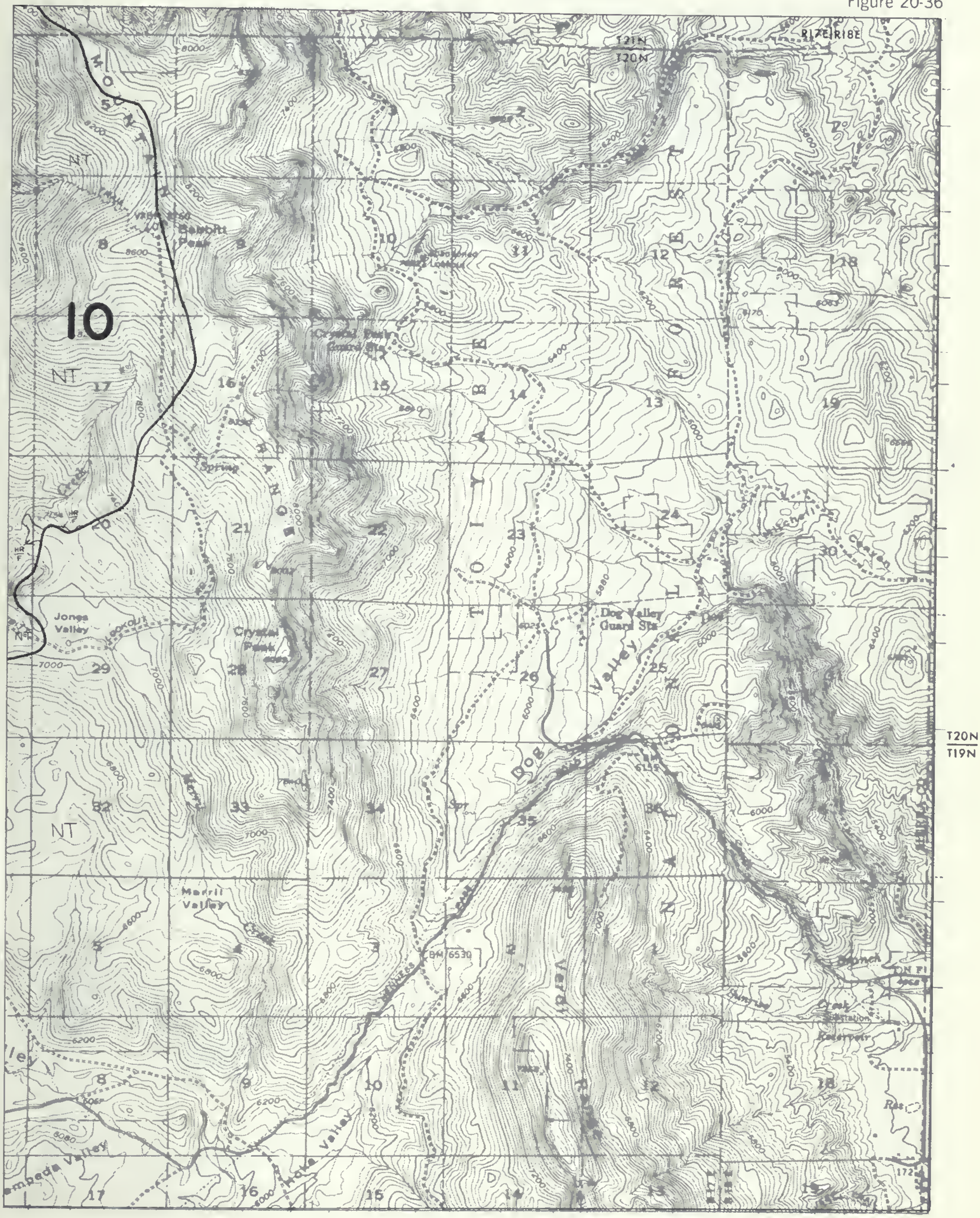
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
LOYALTON QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 20-36

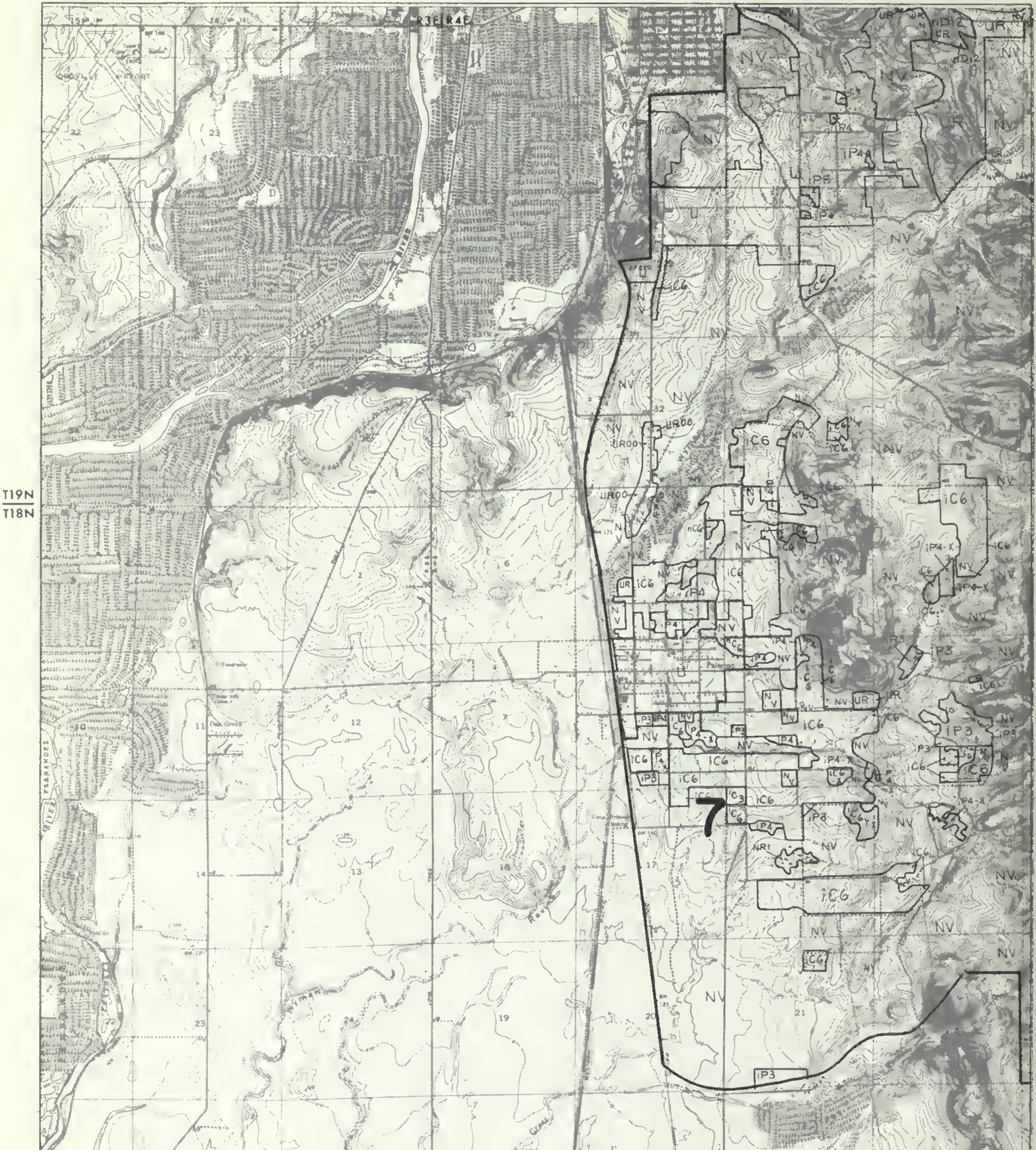


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
LOYALTON QUADRANGLE
Southeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 21-24

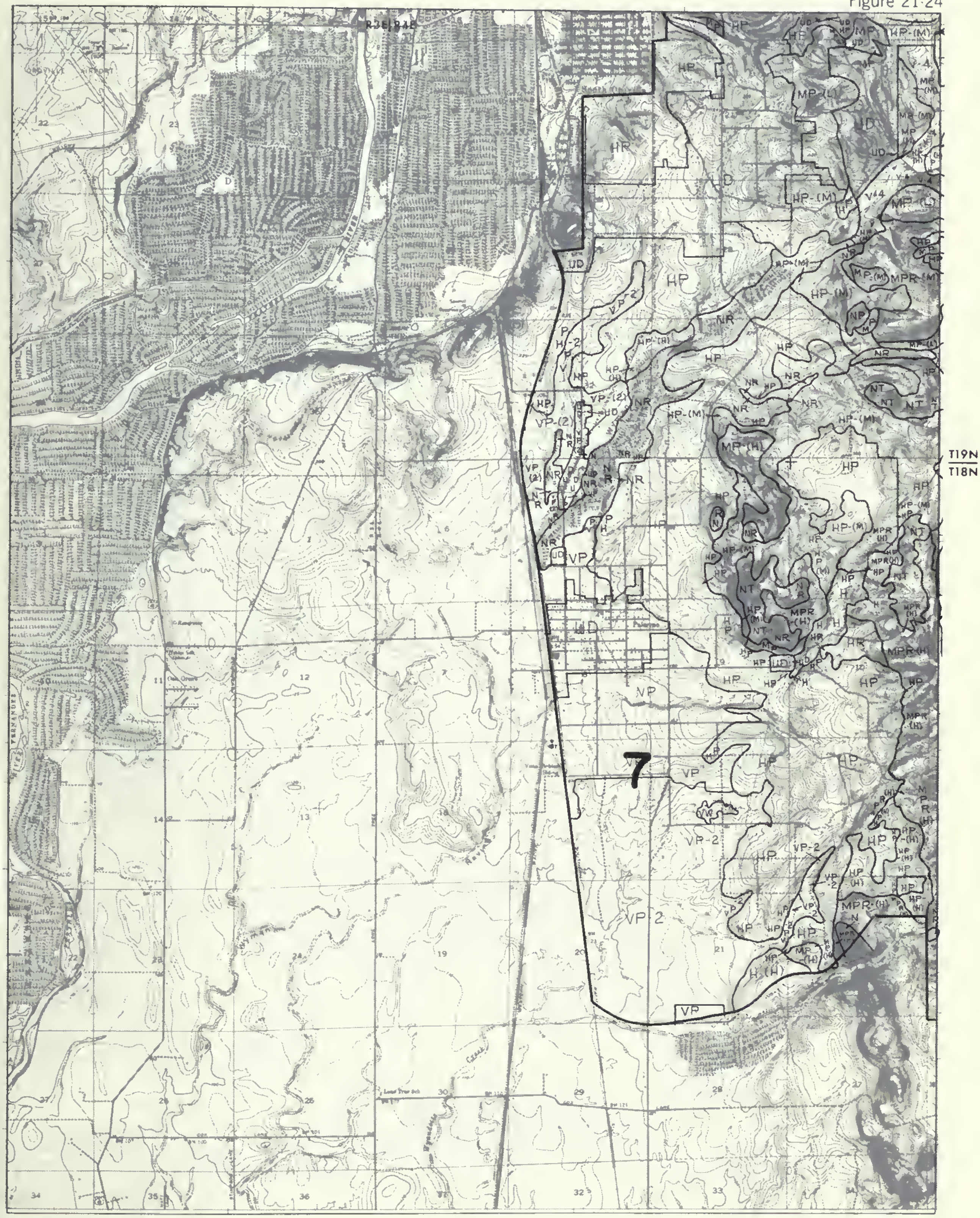


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
PALERMO QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 21-24



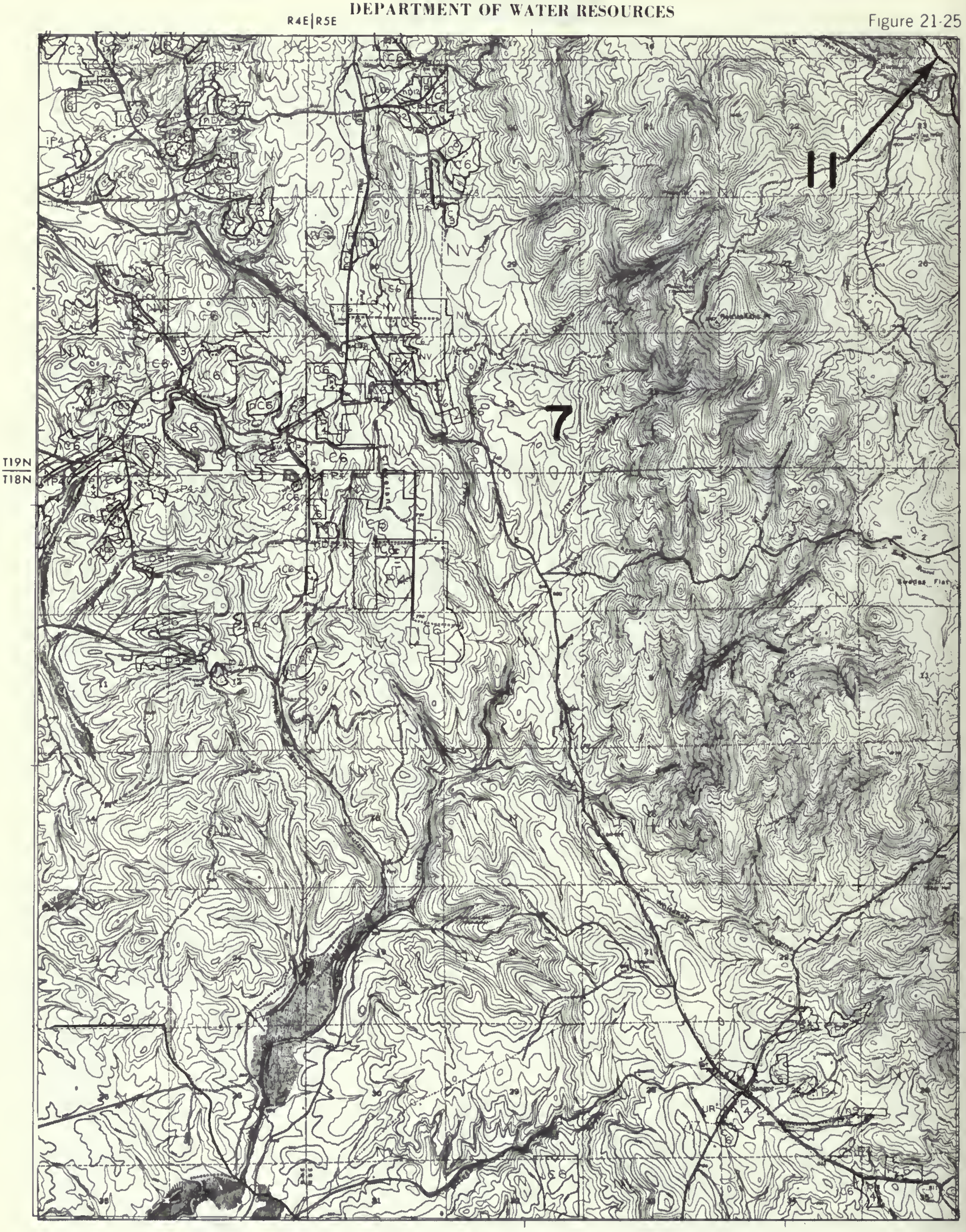
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

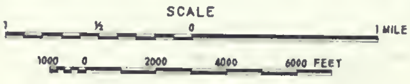
CLASSIFICATION OF LANDS
1963
PALERMO QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 21-25



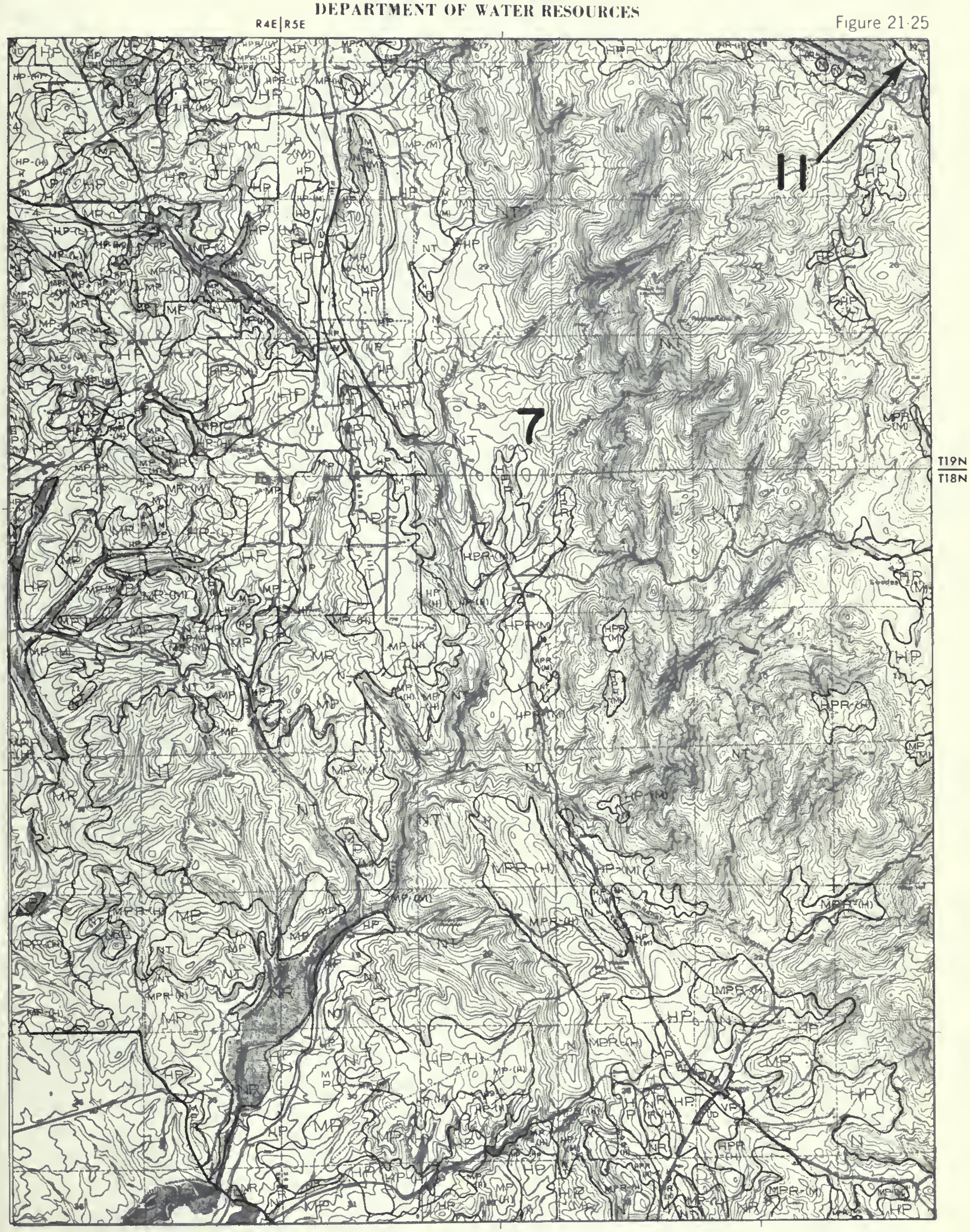
FEATHER RIVER
HYDROGRAPHIC UNIT



LAND USE
1963
BANGOR QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 21-25



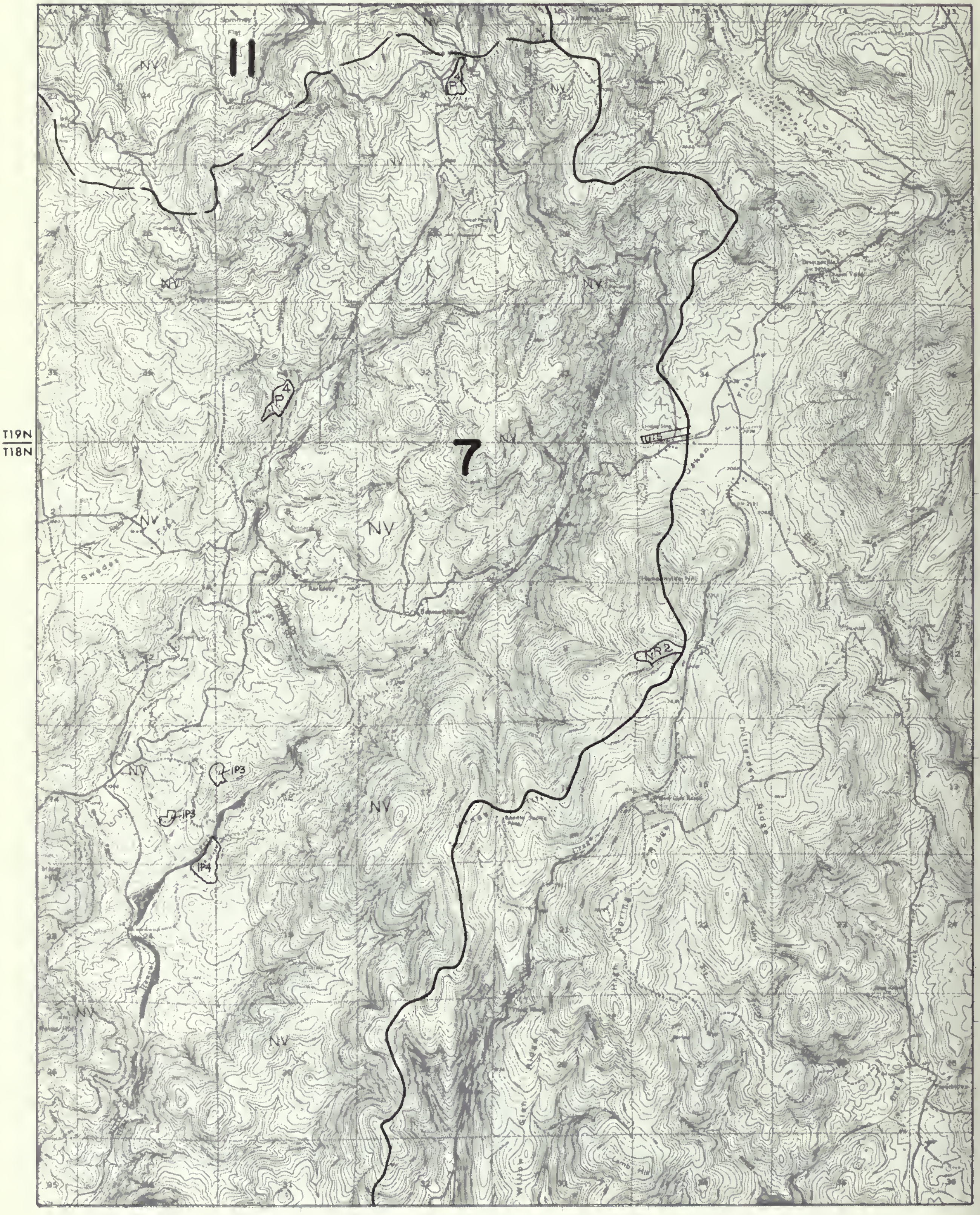
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
BANGOR QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 21-26



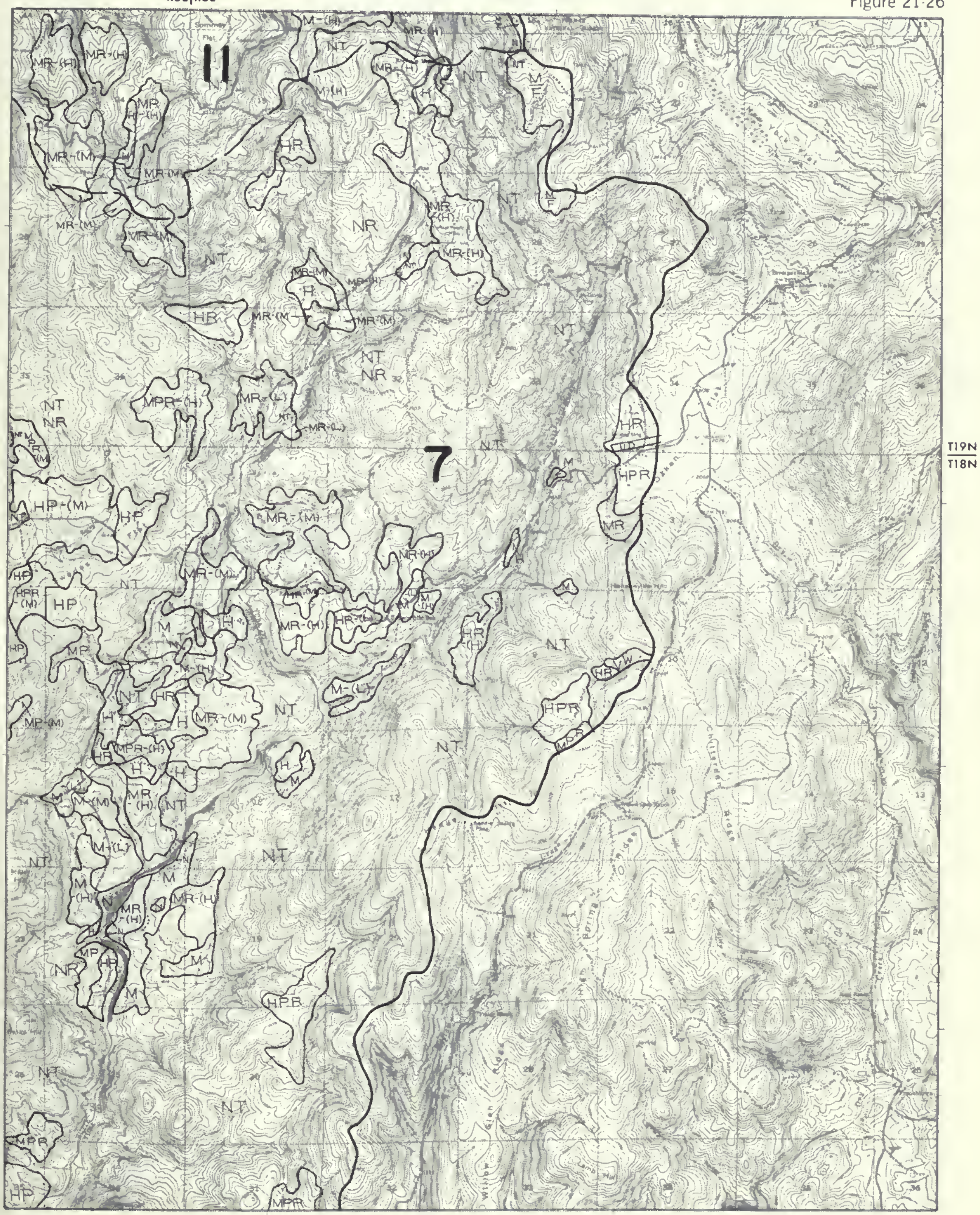
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
RACKERBY QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 21-26



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
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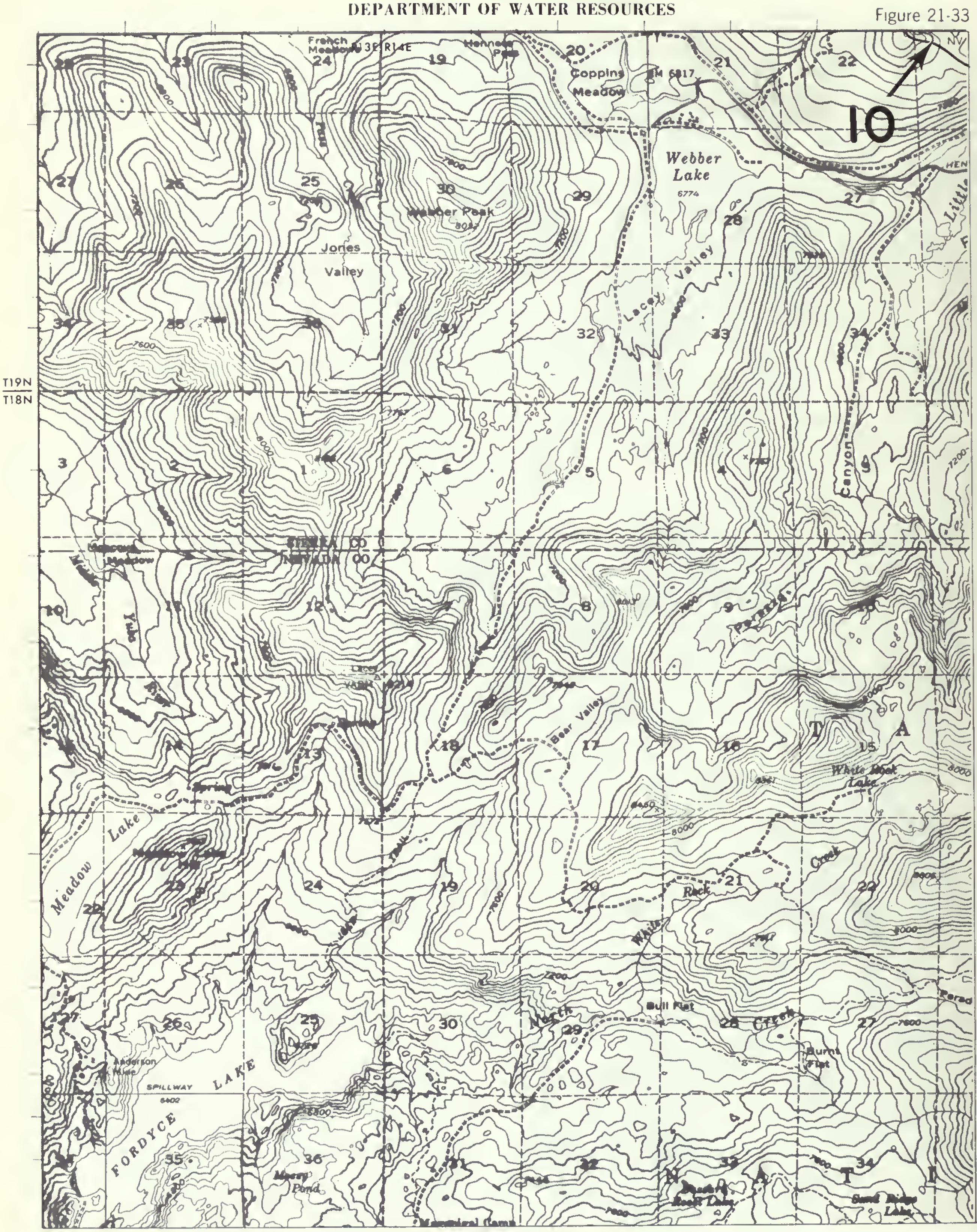
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
RACKERBY QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 21-33



FEATHER RIVER
HYDROGRAPHIC UNIT

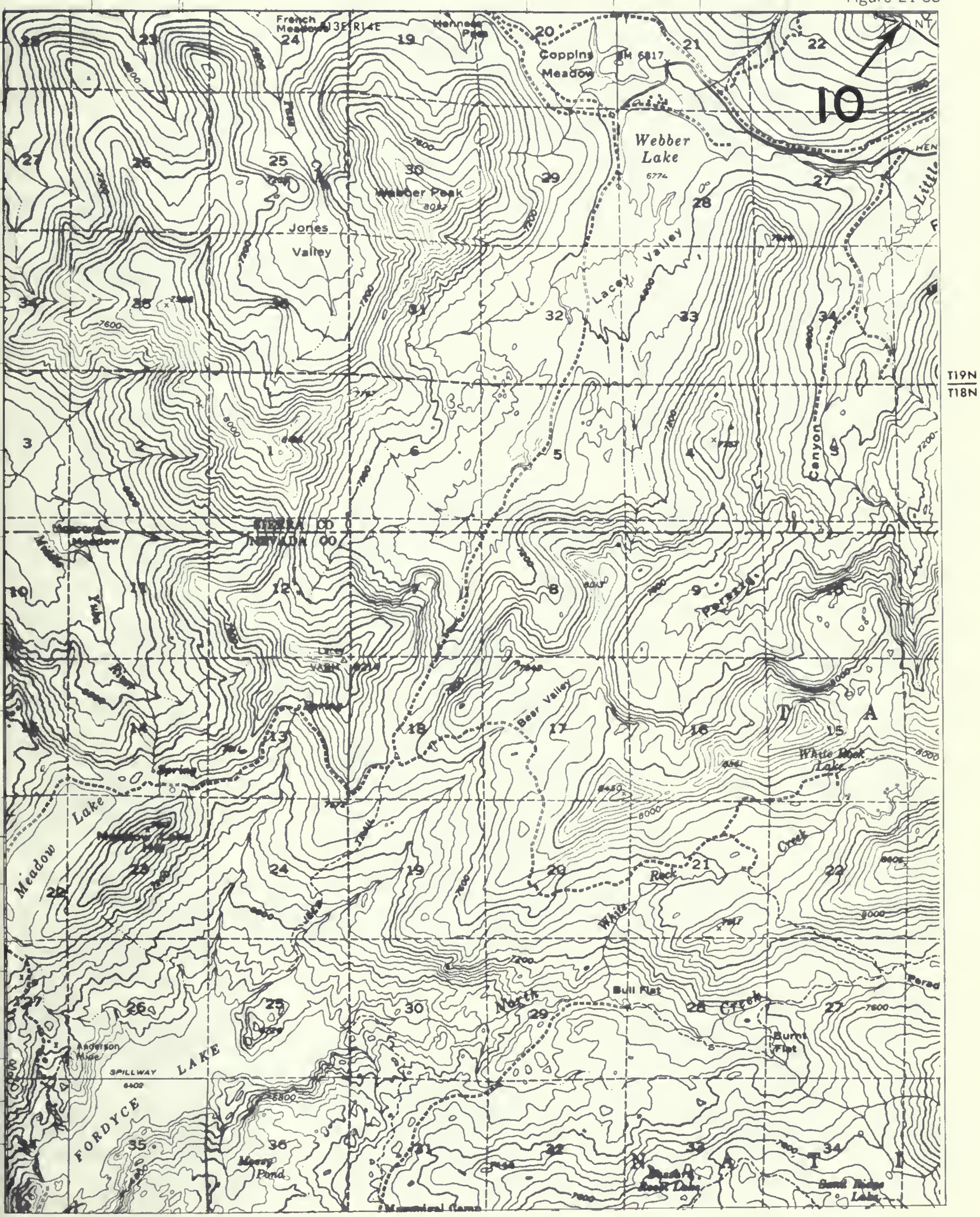
SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963

DONNER PASS QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 21-33

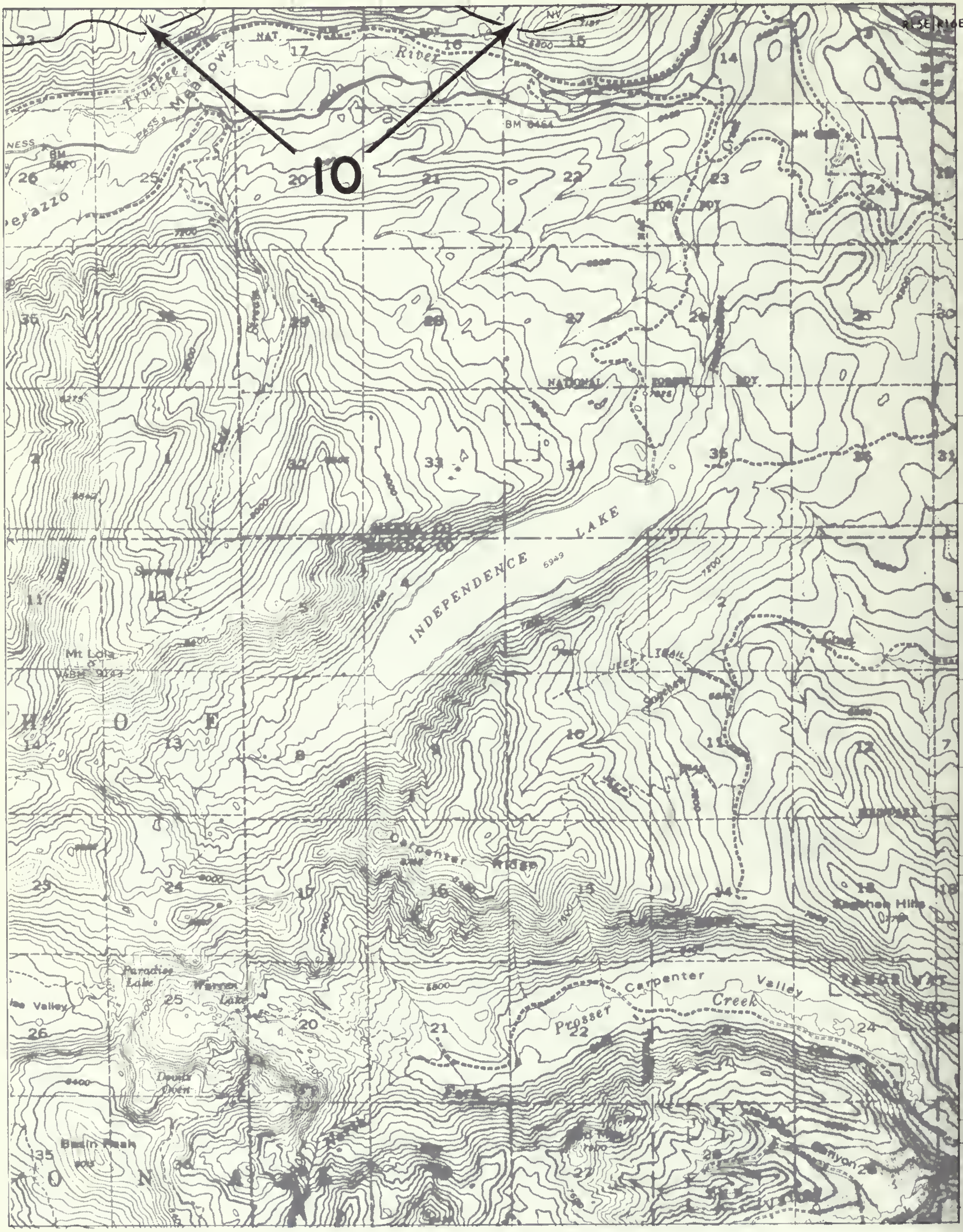


FEATHER RIVER
HYDROGRAPHIC UNIT

CLASSIFICATION OF LANDS
1963
DONNER PASS QUADRANGLE
Northwest Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 21-34



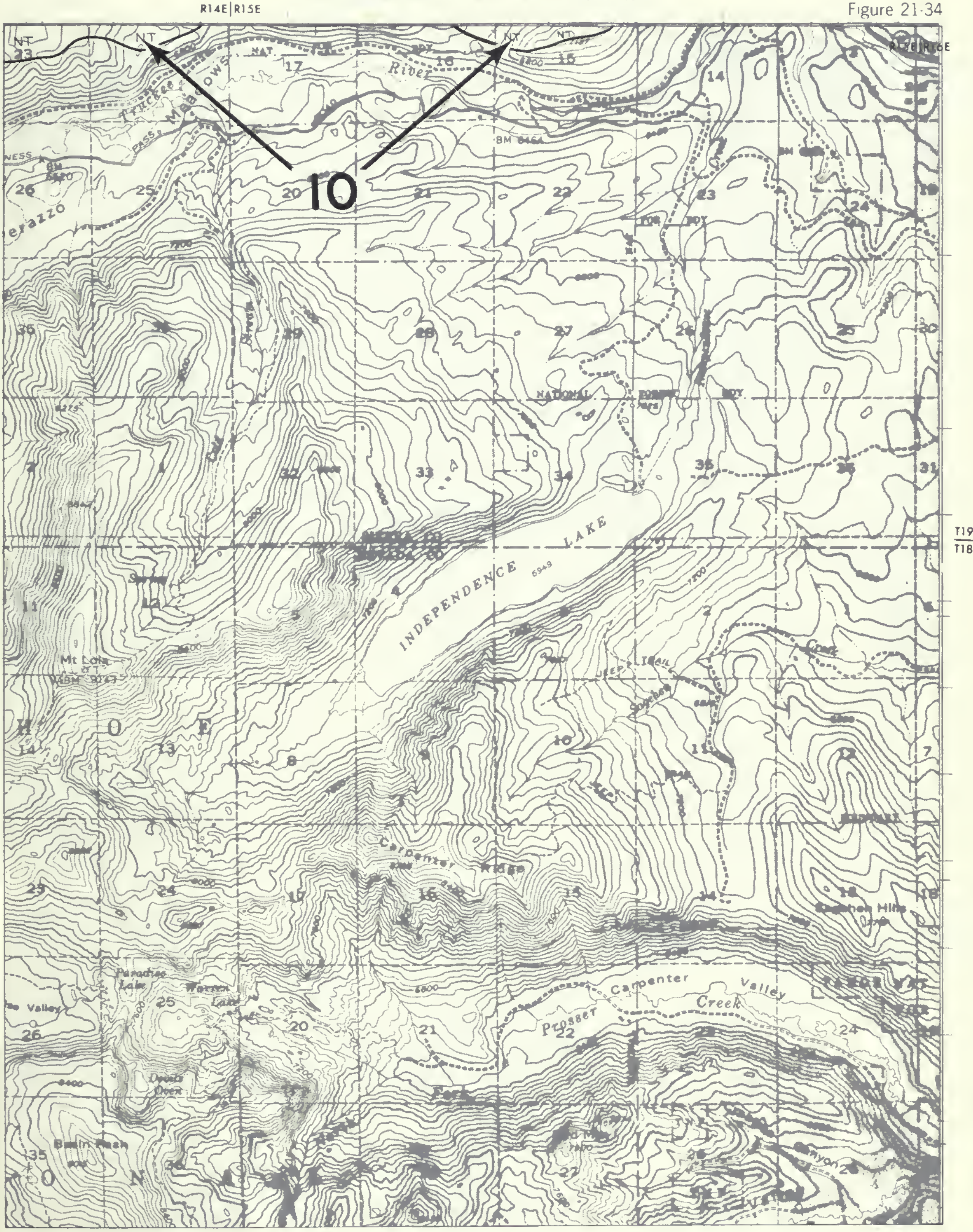
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 MILE
1000 0 2000 4000 6000 FEET

LAND USE
1963
DONNER PASS QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 21-34



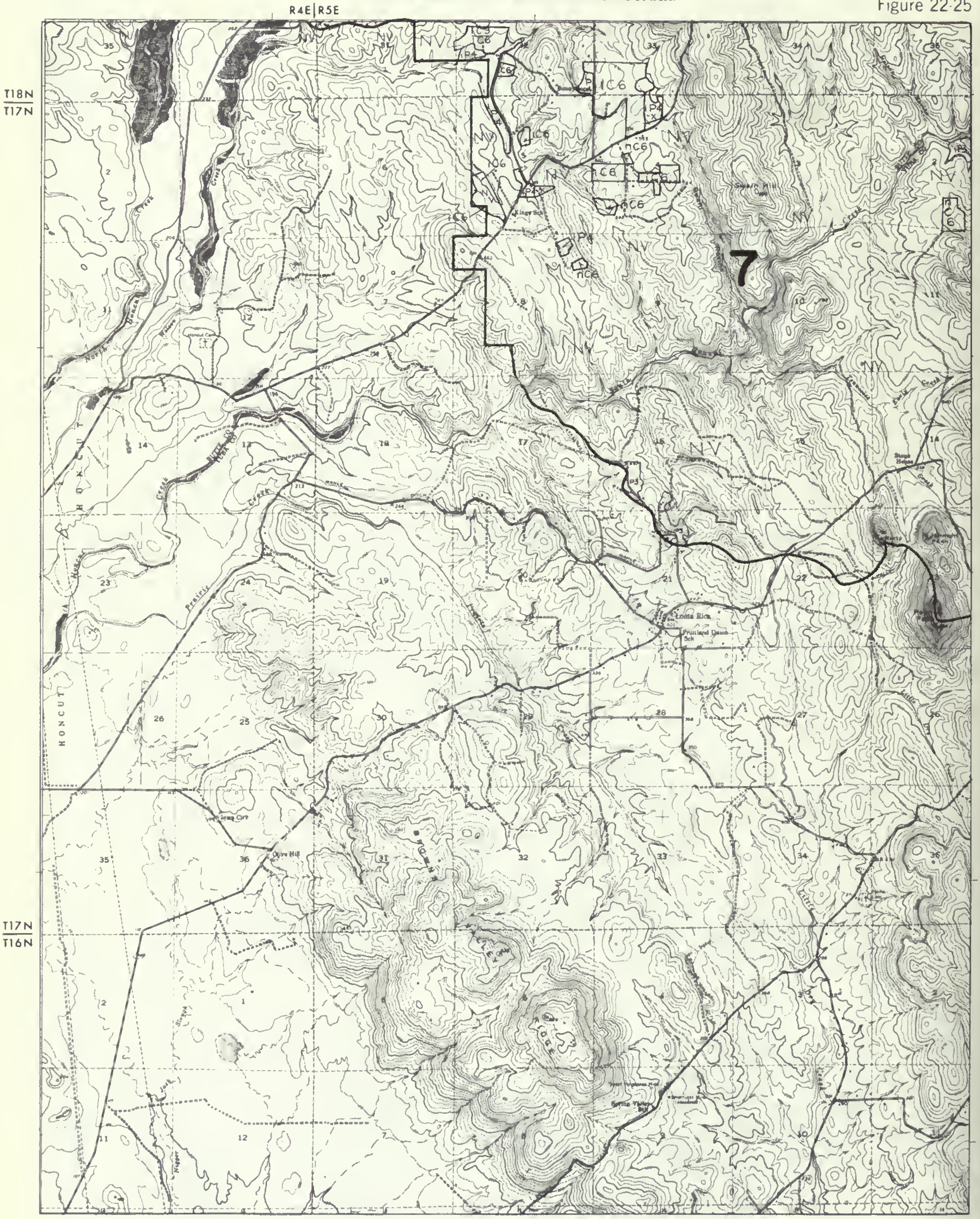
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
DONNER PASS QUADRANGLE
Northeast Quarter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 22-25

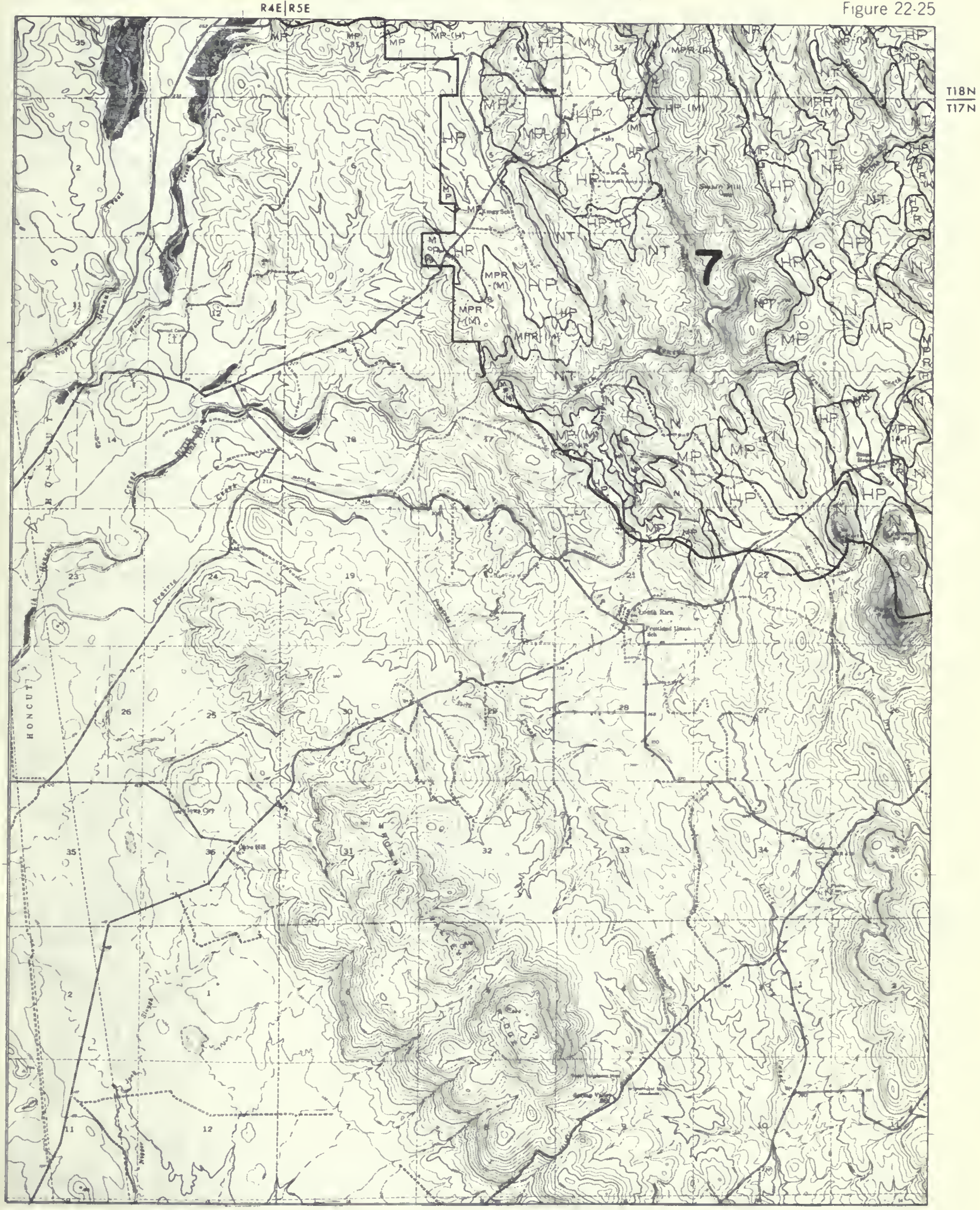


FEATHER RIVER
HYDROGRAPHIC UNIT

LAND USE
1963
LOMA RICA QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 22-25



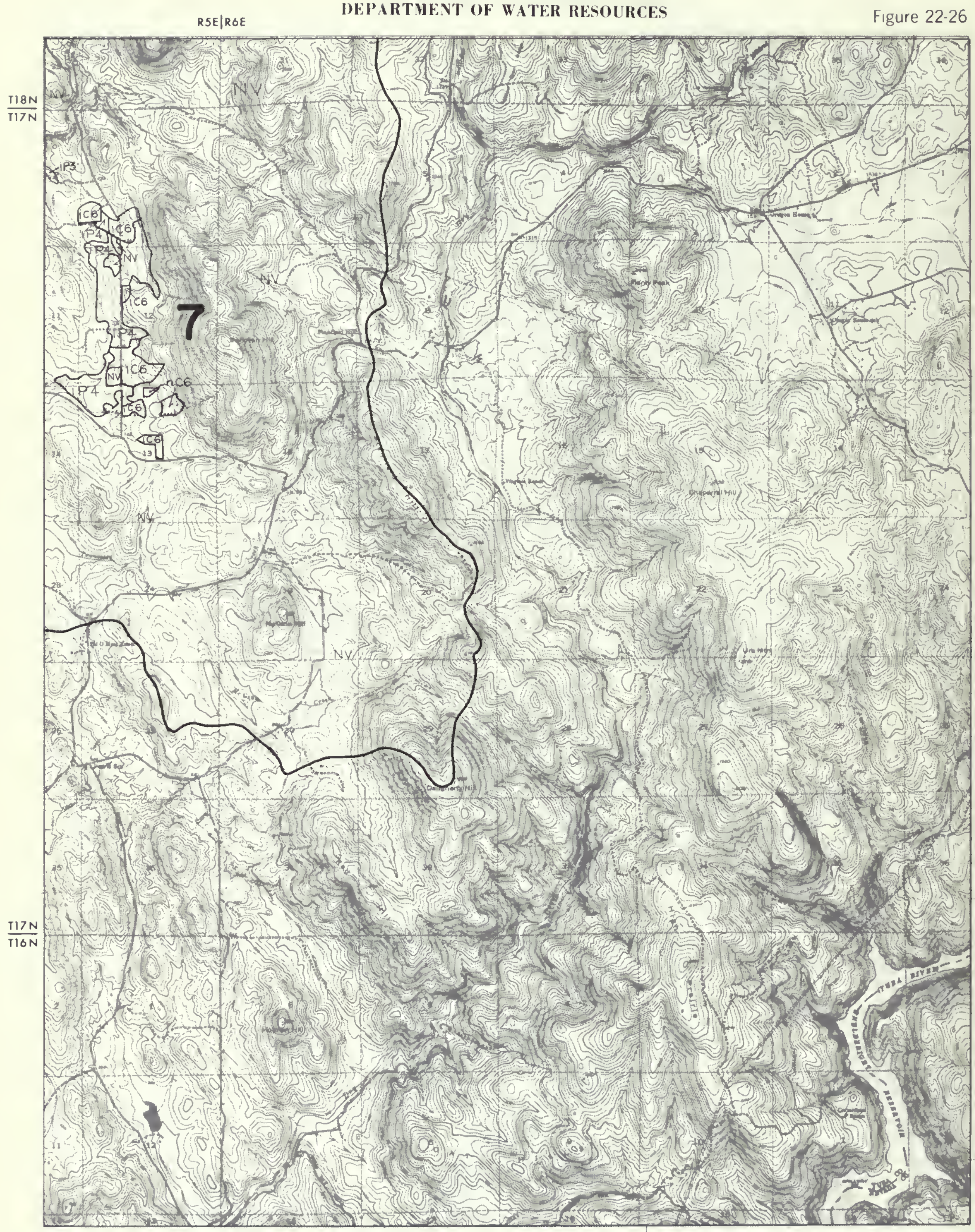
FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

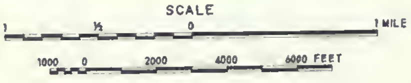
CLASSIFICATION OF LANDS
1963
LOMA RICA QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 22-26



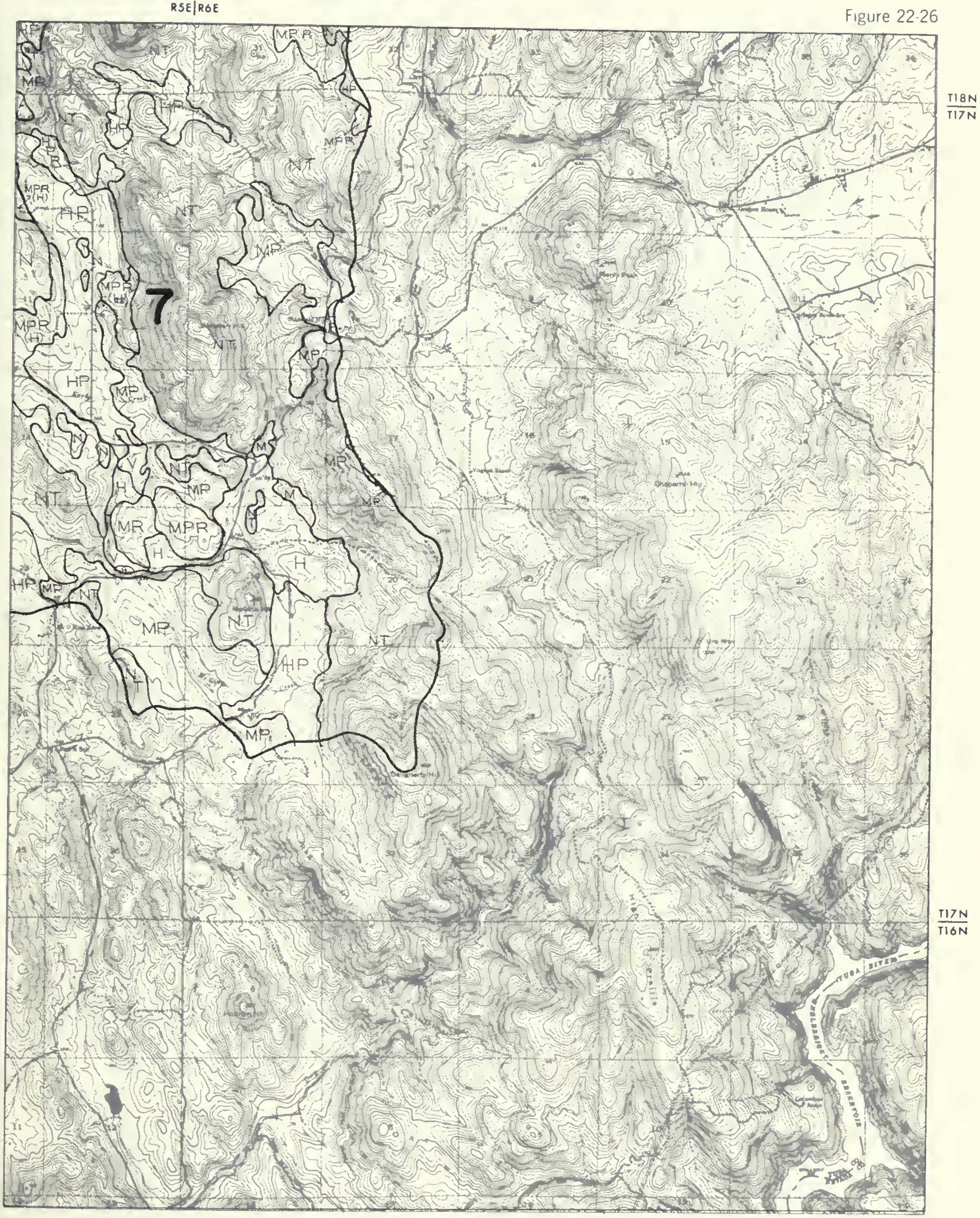
FEATHER RIVER
HYDROGRAPHIC UNIT



LAND USE
1963
OREGON HOUSE QUADRANGLE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Figure 22-26



FEATHER RIVER
HYDROGRAPHIC UNIT

SCALE
1 ½ 0 1 MILE
1000 0 2000 4000 6000 FEET

CLASSIFICATION OF LANDS
1963
OREGON HOUSE QUADRANGLE

APPENDIX A

DESCRIPTIONS OF SURVEYS, STANDARDS, AND TABLES

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APPENDIX A. DESCRIPTION OF SURVEYS, STANDARDS, AND TABLES

This appendix provides detailed explanations concerning the surveys and data reported in the main text. It is divided into three sections, one relating to each of the three surveys, water use, land use, and land classification. This information is generally applicable to all bulletins of the No. 94 series. Information peculiar to this hydrographic unit is given in the main text.

Water Use Survey

To report the "present use of water" in the hydrographic unit, as directed by the Legislature in Paragraph (e), Section 232 of the Water Code, it was first necessary to locate the surface water diversions. Only those systems which appeared to divert about 10 acre-feet or more of water per year were reported upon. This minimum was adopted because it is the approximate amount of water used normally to irrigate 3 acres, the smallest parcel which could be mapped and processed by the methods used.

Ground water used for purposes other than irrigation is not reported in this bulletin.

Methods and Procedures

Aerial photographs covering the entire unit and showing the irrigated lands, reservoirs, etc., were used to locate the diversions. Some diversions were also located in the field. A list of the appropriative water rights on file with the State Water Rights Board was also employed. Data such as descriptions of the systems, uses served, water rights, and water use histories were obtained by on-the-spot inspections and through interviews with the owners, operators, or other persons familiar with the various diversions. Some data thus obtained, particularly statements with regard to histories, were not verified, since a search of title records and similar sources was beyond the scope of this investigation.

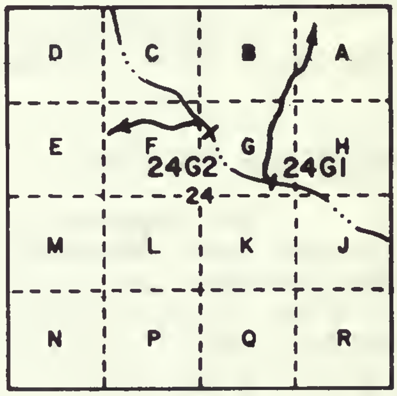
The location of each diversion was marked on an aerial photograph showing the area. Location numbers were assigned to all diversions as explained in the following subsection. These location numbers are used throughout the report to identify the individual diversions.

Systems used for storing water, and those which actually divert it from its natural course, were located. Those currently in use or to be completed during the year of survey, and those used within the previous 5 years, unless definitely abandoned, were included. Reservoirs operated in conjunction with ditches and pipelines, although mapped, were not considered as separate systems, and location numbers were not assigned to them. Similarly, points at which diversion conduits intercepted minor intermittent streams, and apparently received less than 10 acre-feet of water in addition to the primary supply, were not considered as separate diversions.

A system by which field runoff and/or spill from a diverter's own operation was collected was not considered a diversion nor assigned a location number. Systems which rediverted return flow from another water user's operation, however, were delineated and assigned location numbers.

Diversion Numbering System

Each surface water diversion is identified by a number. The location of each diversion was plotted on a U. S. Geological Survey quadrangle map. Each diversion number consists of the numbers of the township, range, section, and quarter-quarter section where the diversion is located. Where there is more than one diversion located in a quarter-quarter section, each is identified by a number following the quarter-quarter section designation. For example, in the illustration at the right, the diversion D-44N/2W-24G1, labeled "24G1", is in the southwest quarter of the northeast quarter of Section 24, Township 44 North, Range 2 West, Mt. Diablo Base and Meridian (MDB&M). Additional diversions in the same 40-acre plot are distinguished by replacing the final number "1" with a "2" or "3", etc., as diversion D-44N/2W-24G2, etc.



Descriptions of Surface Water Diversions

The physical descriptions, histories, water rights, and other information relating to surface water diversions are given in the table, "Descriptions of Surface Water Diversions". Within each hydrographic subunit, the diversions are listed in numerical order by township, range, and section. Each location number is followed by the name of the diversion and/or owner, the source, the purposes served, and the extent and method of water use in the year of the survey. If a diversion did not serve its usual purpose in the year of the survey, this fact is noted in the "Remarks" column. The extent of domestic use is specified only when five or more connections are served. Watering of less than 10 head of livestock is classified under domestic use.

Information concerning the water right for each diversion is reported in the "Apparent Water Right" column. This information was obtained by interview, from files of the State Water Rights Board, and from other records and sources.

Although the reported water rights information meets the requirements for "apparent claims of water right" for the purposes of this investigation, its publication herein is not to be construed as evidence to confirm claims. It should not, therefore, be used in the legal determination of water rights.

Detailed descriptions of diversion systems, including dams, pumps, and main conduits, as well as any special features, are given in the "Description of Diversion System" column. The diversions are classified as gravity, pump, or storage, according to the following definitions:

> Gravity diversion - A system by which water is taken from its natural course at a diversion structure and conveyed by gravity through a canal or pipeline to the area of use. Such a diversion may have a reservoir on the stream, but the capacity is small compared with the amount of water diverted and provides no significant carryover seasonal storage.
>
> Pump diversion - A system by which water is pumped from its natural course through a pipeline to the area of use or to a gravity conduit at a higher elevation.
>
> Storage diversion - A system consisting of or including a surface reservoir having significant carryover storage within each season or from season to season.

Systems not exclusively of one of these basic types are listed as combinations of those types which best describe them.

The "Remarks" column contains information such as the names of former owners, known changes of ownership after the year of study, combinations of diversions serving the same use, and special details explaining entries in the other columns.

A brief explanation of California Water Rights Law is presented in the following section.

California Water Rights

In California, water rights convey only the right to use water. Until absolute possession of water is acquired by some artificial means, no one owns water. However, the owner of water rights is entitled to enjoy them without interference by other users who have rights which are inferior to his.

Five kinds of water rights are recognized in California. These are riparian, overlying, appropriative, prescriptive, and pueblo. Riparian rights attach to surface water and water flowing in known and definite subterranean channels, while overlying rights attach only to underground water. Appropriative and prescriptive rights may be acquired to either surface or underground waters. Pueblo rights are now exercised in California only by the cities of Los Angeles and San Diego, each of which has a paramount right to satisfy its full needs from the stream system of waters flowing by the former Mexican pueblo from which each sprang.

All water rights, both to surface and to underground water, are subject to the doctrine of reasonable beneficial use expressed in Section 3 of Article 14 of the California Constitution, and Water Code Sections 100 and 101. This doctrine limits water rights to the quantity of water reasonably required for beneficial use and prohibits waste, unreasonable use, and unreasonable methods of use or diversion.

Riparian Rights. A riparian right entitles the owner of lands which border or front on a watercourse to take water therefrom for use on such lands within the same watershed. However, the rights of the owner of riparian land are limited to the reasonable beneficial use of the natural flow of water which passes his land. Riparian rights pass with the title to the land, unless expressly reserved or exempted from the interests transferred, and are not gained by use or lost by mere nonuse. Although the land must be contiguous to the watercourse, the length of the frontage is not determinative of the rights; a large tract with a small frontage on a stream may be riparian to the stream. But the original grant determines the character of the land, and only the smallest contiguous tract held under a single title retains riparian rights.

A riparian owner has no right to any specified amount of the water of a stream as against other riparian owners. He has rights only to a reasonable share from the stream -- a correlative right which he shares mutually with other riparian owners. In the event of insufficient water for all, the available supply must be apportioned, except that an upper riparian owner may take the whole supply if necessary for domestic use. As against appropriators, the riparian owner has the paramount right to all the water of the stream which he can put to reasonable beneficial use; but that is the extent of his rights, and the appropriator can take the surplus.

Riparian rights do not authorize use of water on nonriparian land, nor do they permit the seasonal storage of water. They do not prevent temporary appropriation by others of water not presently needed for use on riparian land.

A parcel of land becomes nonriparian when severed from land bordering the stream, unless the riparian rights are reserved for the severed parcel by the grantor. Riparian rights may be destroyed when purportedly transferred apart from the land by grant, contract, or condemnation, and may be impaired or lost through prescription.

Overlying Rights. Owners of lands overlying a common underground water supply have the right to withdraw water for reasonable beneficial use on their overlying lands. Such overlying rights are analogous to riparian rights, in that both are based on ownership of land contiguous to the supply and the rights of each overlying or riparian owner are mutual and correlative to the rights of all other owners of lands similarly related to the supply. In case of insufficient water to fully supply the requirements of all, the available supply must be equitably apportioned.

Overlying rights do not include use of water on nonoverlying land. However, surplus water not presently required for beneficial use on overlying land, and which may be withdrawn without creating an overdraft on the ground water supply, may be appropriated for use on nonoverlying land. But the overlying rights are paramount, and all appropriative rights are subject to the future requirements of overlying land.

Appropriative Rights. An appropriation of water is any taking of water for use without riparian or overlying rights, whether such taking is from the underground by wells or from surface streams by direct diversion or storage. An appropriator, in the legal sense, is one who takes water without possessing rights which are based on the ownership of land. As between appropriators, the one first in time is first in right. A prior appropriator may take all the water he needs up to the full amount to which he is entitled before a later appropriator may take any.

Normally, appropriative rights are inferior to riparian rights. An exception to this is the case of an appropriation of water diverted from streams flowing through vacant public lands before the riparian lands were withdrawn from the domain of the United States. The appropriative diversions or the lands they serve may be either upstream or downstream from the riparian lands.

Any water not needed for the reasonable beneficial uses of those having prior rights to a supply may properly be appropriated. The priority of an appropriative right, as against another appropriator, is related back to the first substantial act toward putting the water to use or to the date of application.

Sections 1410 through 1422 of the Civil Code, enacted in 1872, established a permissive procedure for perfecting an appropriation of surface water. Provision was made for posting a notice of appropriation at the proposed point of diversion and recording a copy with the county recorder. If the statutory procedure were followed and the appropriation completed with due diligence, priority related back to the date of posting; otherwise, priority was established only when the water was put to beneficial use.

Since the effective date of the Water Commission Act of 1913, i.e., December 19, 1914, appropriation of surface water and water in subterranean streams flowing in known and definite channels has been by compliance with required statutory procedure. An appropriation of such water now can be made in accordance with the provisions of Part 2, Division 2 of the Water

Code (Water Code Sections 1200 through 1801). An application to appropriate unappropriated water must be filed with the State Water Rights Board. If the application is approved, a permit is issued authorizing the appropriation. When the appropriation has been completed, an inspection is made and a license is issued, to the extent of beneficial use, provided the terms and conditions of the permit have been fulfilled. The priority of a permit or license relates back to the date of application.

A right to appropriate water may be lost either by abandonment or by continuous nonuse. To constitute abandonment, there must be concurrence of act and intent, wherein possession is relinquished with no intent to resume it for a beneficial use. Abandonment is, therefore, always voluntary and factual. In the case of an appropriation initiated prior to 1914, continuous nonuse for a period of 5 years results in the loss of the appropriative right. In the case of appropriative rights acquired pursuant to the Water Commission Act or the Water Code, continuous nonuse for a period of only 3 years may result in loss of such a right.

Where ground water and surface water are interconnected, one acting as a tributary to the other, both are treated as part of a common supply and users of water from either source are entitled to protection from substantial injury as a result of use by others of water from the other source. Thus, an owner of land riparian to a stream may have his right to the use of water protected against impairment by an appropriator of percolating ground water tributary to the stream and required for the maintenance and support of its flow. Likewise, where water from a stream percolates to a ground water basin or stratum, the owner of land overlying the ground water supply may be protected from an appropriation of water from the stream if this causes a substantial impairment of the ground water supply. As between riparian use of surface water and overlying use of ground water tributary to the stream, the available water supply should be shared by the owners on the basis of reasonable beneficial use.

Surplus ground water not flowing in known and definite subterranean channels is still present in many areas of the State. Such surplus water may be appropriated for use on nonoverlying lands simply by extracting it and putting it to beneficial use. In Southern California, adjudication of some basins prohibits further appropriation of ground water. In Los Angeles, Riverside, San Bernardino, and Ventura Counties, reporting of ground water pumped is required under certain conditions.

Prescriptive Rights. It is possible to appropriate surface or ground water which is presently needed by others to satisfy riparian, overlying, or prior appropriative rights. Such appropriations may ripen into prescriptive rights where the use is actual, open and notorious, hostile and adverse to the original owners, continuous and uninterrupted for the statutory period of 5 years, made under claim of right, and with payment of taxes whenever such have been levied on the water rights. Absence of any of these essentials precludes the acquisition of prescriptive water rights.

Prescription of a right thus requires that, for 5 years, the rightful owner either knows or should know of the adverse taking and fails to take any physical or legal steps to interrupt such taking. Irrespective of the needs or demands of the riparian, overlying, or prior appropriative user, an absolute right to only a fixed amount of water may be acquired by prescription. The quantity of such a right is determined by beneficial use. However, present use is the measure of the prescriptive right, and future needs cannot be included.

Riparian rights, overlying rights, appropriative rights, and prescriptive rights may be lost or diminished by prescription. While sufficient water is flowing in a stream to supply the wants of all parties, the use of the water by anyone does not deprive the others of their water supply. Such use is not an invasion of their rights and cannot, therefore, be a basis for a prescriptive right. The same principle applies to a downstream diversion of water as against the rights of upstream riparian landowners or prior appropriators. At times when the safe yield of a ground water basin exceeds the needs of overlying landowners and appropriators, their prior rights are not invaded by a later appropriative taking of water from the underground supply. The later appropriation becomes adverse only when the ground water basin is overdrawn; that is, when the annual draft exceeds the safe annual yield. Although neither an overlying owner nor a prior appropriator may prevent a taking of surplus water, either the owner or the appropriator may institute legal proceedings to safeguard the supply once a surplus ceases to exist, and may enjoin any additional use beyond the point of safe yield. Since prescriptive rights can be acquired only to nonsurplus water, these rights cannot ordinarily be acquired against the future needs of riparian or overlying owners.

The prior appropriator, lower riparian, or overlying owner may protect his rights for his present needs against an adverse appropriator by actually taking the needed water before the 5-year period has ended, or by the aid of the courts in the form of a declaratory judgment or injunction within the 5-year period.

Determination of Water Rights. Under provisions of the Water Code, actions brought before either state or federal courts which involve determination of rights to the use of water may, at the court's discretion, be referred to the State Water Rights Board. Under provisions of Water Code Section 2000, the court may appoint the Board to referee "any or all issues involved in the suit", or under Section 2001, it may limit the reference to "investigations of and report upon any or all physical facts involved". This reference procedure may be followed in suits involving either surface or ground waters, or both.

An alternative procedure for adjudication of rights to the use of water of streams, lakes, and other bodies of water is available upon petition to the State Water Rights Board, but the method excludes the determination of rights to take water from an underground supply other than from a subterranean stream flowing through known and definite channels. Water Code Sections 2500 through 2900, inclusive, authorize the initiation of such proceedings.

Land Use Survey

The land use was mapped and tabulated and then grouped into broad categories for reporting purposes.

Methods and Procedures

General explanations of the methods and procedures employed in the land use survey are given in the following pages.

Field Work. The land use survey was accomplished through (1) an intensive field inspection of the hydrographic unit to identify all parcels of land devoted to specific uses, and (2) delineation of the boundaries and determination of the type of land use of each parcel on aerial photographs.

The unit was traversed by automobile as completely as roads and terrain permitted. Where necessary, areas inaccessible by automobile were inspected on foot.

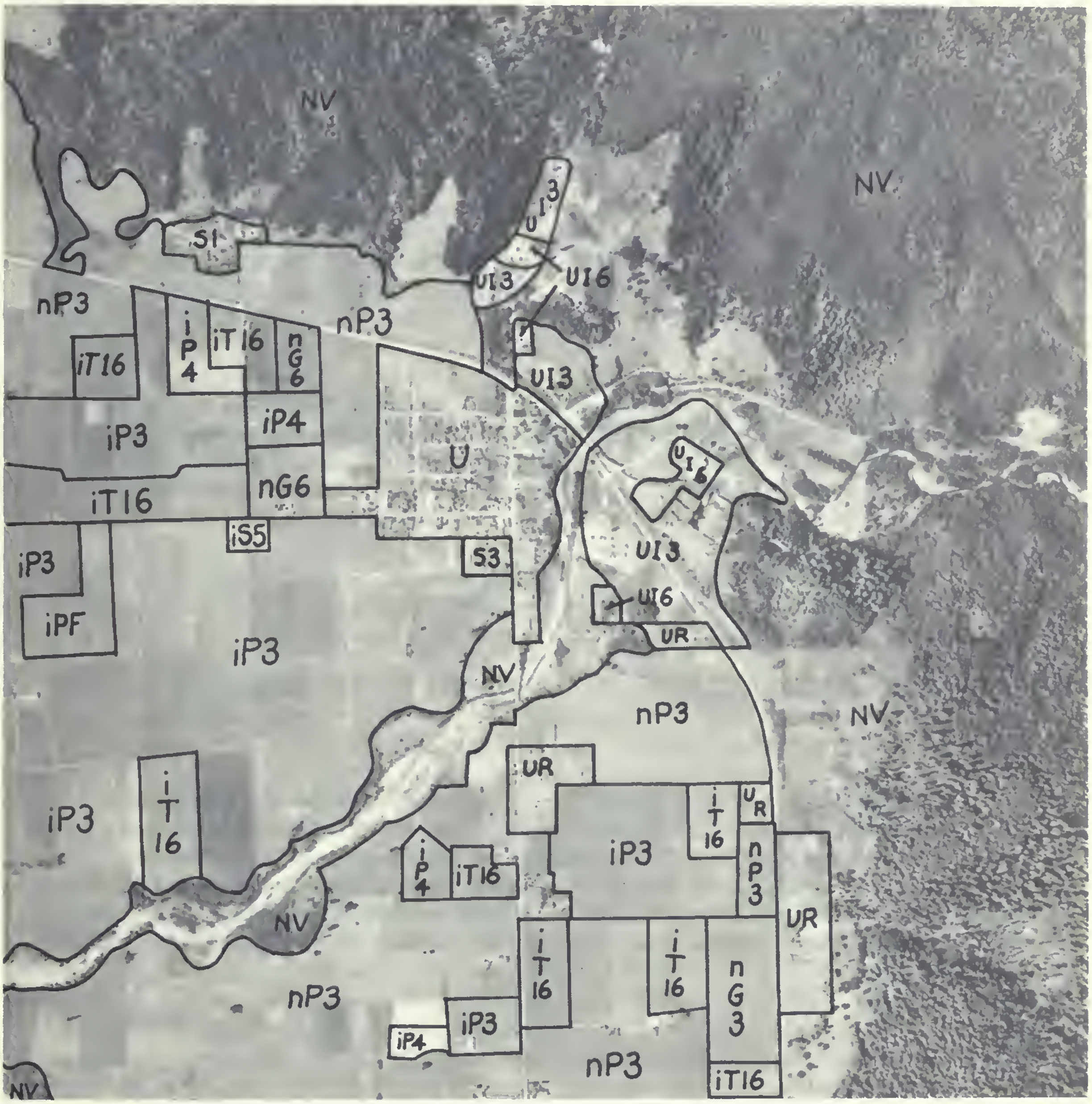
In the field survey, each parcel of land was identified on an aerial photograph. The land use was then identified, delineated and labeled on the photograph, using the symbol designation system described in detail in the "Land Use Legend", which is shown in Chapter V. An example of land use as delineated on an aerial photograph is given on page 313.

Office Procedures. Processing of the field data consisted basically of (1) delineating the field information on base maps, and (2) determining acreages of all the mapped areas.

After the field mapping, the data on the aerial photographs were transferred to U. S. Geological Survey quadrangle maps having a scale of 1:24,000. Since the aerial photographs varied in scale, it was necessary to delineate the areas at a common scale to obtain accurate determination of the acreages.

The delineated areas on the base maps were manually cut out and carefully weighed on an analytical balance. The weights were converted to acreages, using the ratios of weight to acreage determined for the individua maps. This method has proven to be very expedient where many small parcels of land are involved. Reduced copies of these maps are presented in Chapter V of this report. Each of these maps in the report covers 7-1/2 minutes of latitude and longitude.

Complete tabulations of all land uses in the unit, grouped by county, by subunit, and by the 7-1/2-minute quadrangles, were obtained by electronic data processing methods. The acreages presented in this report are taken from the machine tabulations. The complete detailed tabulations are kept on file by the Department of Water Resources.



Example of Land Use Delineated on Aerial Photograph

Symbols are explained in the "Land Use Legend."

Land Use Categories

Land use is grouped into six categories, which are described in the following paragraphs.

Irrigated Lands. As designated in this report, irrigated lands include all agricultural lands which receive water artificially. In the field survey, these lands were identified on the aerial photographs by the symbol "i". The water supplies for fields which were normally irrigated were also identified.

"Idle" irrigated lands are lands which, although not irrigated in the year of survey, had irrigation facilities and had been irrigated within the preceding 3 years. "Fallow" irrigated lands are cultivated lands which have irrigation facilities and are normally irrigated, but at the time of survey were tilled and not cropped.

A special group, "partially irrigated" lands, includes those lands which, for some reason, received less than a full season's irrigation supply in the year of survey.

The acreages planted to each crop and the acreages of land usually irrigated but not cropped in the year of survey are shown in the "Land Use" and "Irrigated Lands" tables in Chapter III.

Naturally High-Water-Table Lands. In addition to irrigated lands, there are lands supporting vegetation which use water from a natural high water table. These include such lands as mountain meadows and certain lands adjacent to lakes and streams. This category is further divided into two subclasses: "meadows", where the water table is normally below the surface; and "marshes", where there is standing water much of the year.

Dry-farmed Lands. Dry-farmed lands are those lands which are cropped but which do not receive applied water. This category includes all lands so farmed, whether in crop or "fallow" at the time of survey. Lands were classified as "fallow" if tilled but without a crop.

Urban Lands. Urban lands include cities, towns, small communities, and other developed residential, commercial, or industrial plots large enough to be delineated. Also included are parks, golf courses, race tracks, and cemeteries within or near urban areas. The reported acreages of urban lands includes streets and vacant lots. In this survey, urban lands include all lands with a density greater than one house per two acres.

Recreational Lands. Four categories of recreational lands were mapped on the aerial photographs: (1) residential, (2) commercial, (3) camp and trailer sites, and (4) parks. Recreational "residential" lands include permanent and summer home tracts within primarily recreational areas. The estimated density of homes per acre was also indicated in the survey. Recreational "commercial" lands include those containing motels, resorts, hotels, stores, restaurants, and similar commercial establishments in primarily recreational areas. Lands included in the "camp and trailer sites" category are those areas so used within primarily recreational areas and outside the boundaries of public parks. The entire area within the designated boundaries of public park-type tracts, such as national monuments and parks, state parks, etc., are included in the "parks" category.

Obviously, nearly all the mountainous and water surface areas are suitable for some recreational use, such as hunting, fishing, hiking, picnicking, or water sports. However, for the purpose of this survey, except within the "parks" category, only those lands occupied by some type of recreational development requiring water service were included in the recreational lands category.

Native Lands. Lands which were essentially in a native state were included in this class. Scattered residences and other isolated uses less than 2 to 3 acres in size were also included in this category.

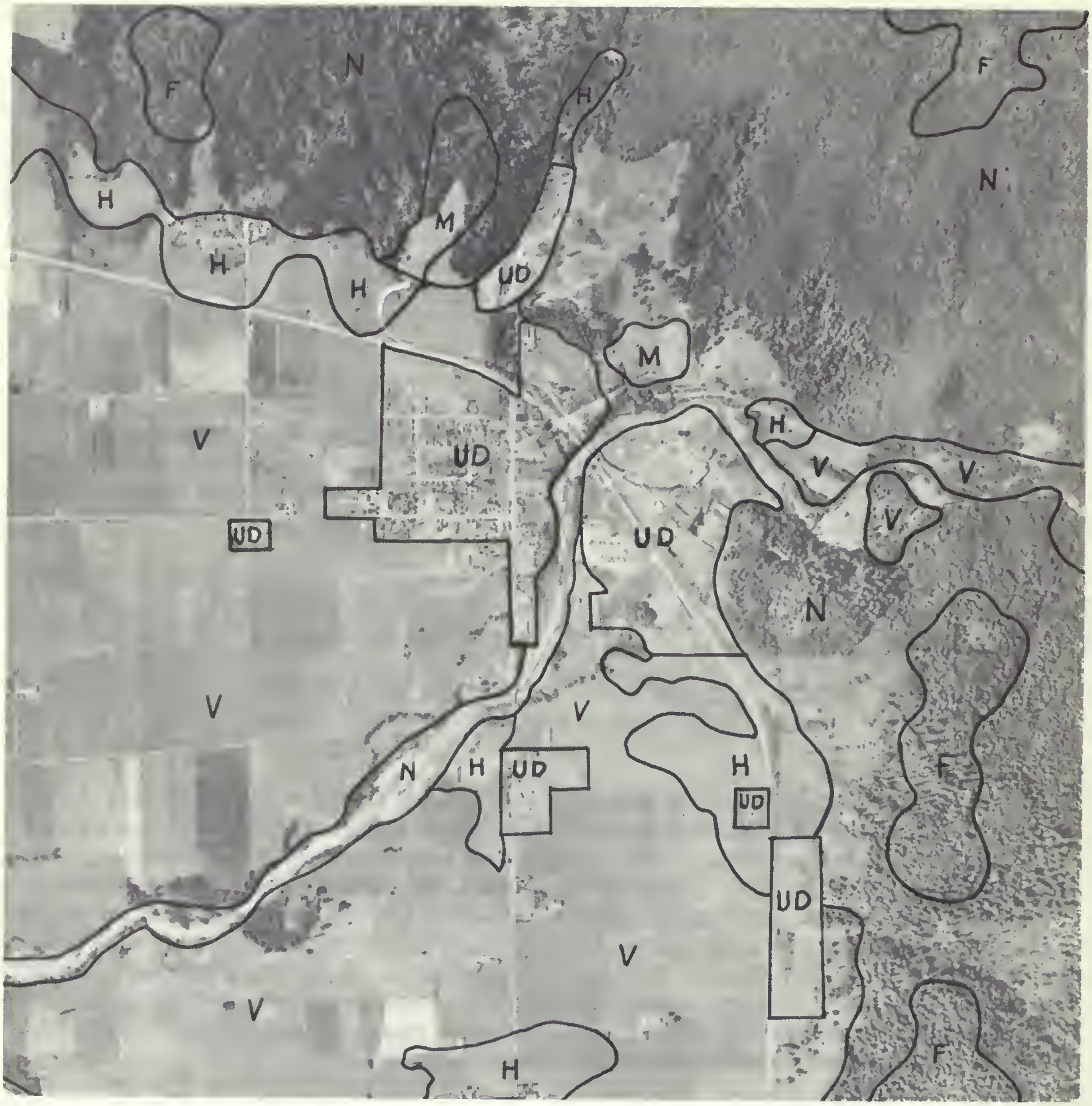
Land Classification Survey

Information as to the suitability of lands for irrigated agriculture or other activities which require water is vital to determining the future water demands of an area. In the past, the Department of Water Resources has conducted reconnaissance-level land classification surveys throughout the State. More detailed and uniform surveys covering the entire State are now being performed. The results of these surveys are reported in the No. 94 Series of bulletins. Classification of lands suitable for water-using recreational development, which was not considered in previous surveys, is included in this survey. This section describes the procedures and standards followed in this survey.

The acreages of land in each category of land classification are enumerated by subunits in the table, "Classification of Lands". Maps showing the classification of lands delineated in the survey and an explanation of the land classification symbols are presented in Chapter V.

Methods and Procedures

The general methods and procedures used in field mapping and in tabulation of acreages of lands in each classification were essentially the same as those described for the land use survey. An example of land classification as delineated on an aerial photograph is given on page 316 Complete machine tabulations of acreages, from which the data presented in the "Classification of Lands" table were extracted, are on file in the Department.



Example of Land Classification Delineated on Aerial Photograph

Symbols are explained in the "Land Classification Legend."

Major Categories of Land Classes

The lands mapped are grouped into four major categories: (1) irrigable lands, (2) urban lands, (3) recreational lands, and (4) miscellaneous lands. These categories are described in the following paragraphs.

Irrigable Lands. Irrigable lands are classed according to their crop adaptability and their suitability for development for irrigated agriculture. The time at which the lands might be developed did not enter into the classification procedure, except that suitability for irrigated agriculture was necessarily considered in the light of present agricultural technology.

Of the many factors which influence the suitability of land for irrigation development, soil characteristics and the physiography of the landscape are the most permanent and are, therefore, the only ones considered in the survey. Soil characteristics were determined by examination of road cuts, ditch banks, and the material from test holes, together with observations of the type and density of native vegetation and cultivated crops. Land slopes throughout the area were determined by clinometer. Other factors such as those economic factors related to production and marketing, location of lands with respect to a water supply, and climatic conditions, were not considered in the classification process. The latter factors are very important in estimating the nature of future cropping patterns and practices and will be considered when future water demands are estimated.

Urban Lands. Those lands which were devoted to urban uses at the time of the land use survey, including cemeteries and golf courses near urban areas, are designated as "urban" lands. It is recognized that much of the future urban expansion will occur on irrigable lands. However, no attempt was made in this survey to locate the areas of future urban development.

Recreational Lands. Present trends indicate an expanding rate of use and demand for recreational facilities throughout the State. In view of these trends and the ever-increasing population, it is recognized that there will be a substantial demand for land devoted to recreation. This is particularly true in the mountainous and coastal regions, where this type of development is expanding rapidly.

Nearly all the mountainous and coastal lands are suitable for some type of recreational use, such as hunting, fishing, or other outdoor activity. For purposes of this survey, however, lands classified as recreational are limited to those which are now, or may be in the future, used intensively for (1) permanent and summer home tracts, (2) camp and trailer sites, (3) commercial establishments such as motels, resorts, etc., in primarily recreational areas, and (4) parks outside urban areas. These are uses which, when developed, will require water service to some degree.

Primary considerations for classification of home tracts and camp and trailer sites were (a) physical factors such as soil depth, slope, and rockiness, (b) aesthetic values such as view, proximity to lakes and streams, density, and type of forest cover, and (c) the plans of federal and state forest officials. Availability of water supply was an important factor in the selection of potential camp and trailer sites, but remoteness from roads did not influence site selection.

As in the land use survey, the total areas of existing federal and state parks and monuments, rather than the specific areas of potential intensive development therein, are included in the "parks" classification. For other parks, only the areas presently developed for intensive recreational use are shown. No attempt has been made to predict where additional park developments will take place.

Miscellaneous Lands. There are three categories of miscellaneous lands. "Irrigable forest and range" lands (F) are those lands having physical characteristics which meet the requirements for irrigable lands, but due to physiographic position, climatic conditions, and factors associated with their present utilization, they were classified as better suited to remain under forest or range management.

Lands which were designated in the land use survey as "swamps and marshes" were identified in the classification survey as "Vm".

The third category of miscellaneous lands includes all lands which fail to meet the requirements of any of the foregoing classes and is identified by the symbol "N".

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